

GENIE Comparison

Datasets:

numuCC_all
numubarCC_all
numuCCQE_all
numubarCCQE_all
numuCCnpi+_noPCut
numuCCnpi+_SKAT,7 [Grabosch et al., Zeit.Phys.C41:527 (1988)]
numuCCppi+_noWcut
numuCCppi+_Wcut1.4
numuCCppi+_Wcut2
numuCCppi+_SKAT,4 [Ammosov et al., Sov.J.Nucl.Phys.50:67 (1988)]
numuCCppi+_SKAT,5 [Grabosch et al., Zeit.Phys.C41:527 (1988)]
numuCCppi0_noPCut
numuCCppi0_SKAT,6 [Grabosch et al., Zeit.Phys.C41:527 (1988)]
numuCCn2pi+_ANL_12FT,13 [Day et al., Phys.Rev.D28:2714 (1983)]
numuCCppi+pi0_ANL_12FT,12 [Day et al., Phys.Rev.D28:2714 (1983)]
numuCCppi+pi-_all
numubarCCnpi-_Gargamelle,7 [Bolognese et al., Phys.Lett.B81:393 (1979)]
numubarCCnpi-_SKAT,10 [Grabosch et al., Zeit.Phys.C41:527 (1988)]
numubarCCppi-_FNAL_15FT,10 [Barish et al., Phys.Lett.B91:161 (1980)]
numubarCCppi-_SKAT,11 [Grabosch et al., Zeit.Phys.C41:527 (1988)]

Models:

master/G18_02a_00_000
RESFix/G18_02a_00_000

2019/11/05 13:37:48

Dataset:
numuCC_all

Models:
master/G18_02a_00_000 $\chi^2 = 119 / 143$ DoF
RESFix/G18_02a_00_000 $\chi^2 = 121 / 143$ DoF

Subsets:

ANL_12FT,2 [Barish et al., Phys.Lett.B66:291 (1977)]
1 DoF, $\chi^2 = 0.772$ 0.788

ANL_12FT,4 [Barish et al., Phys.Rev.D19:2521 (1979)]
2 DoF, $\chi^2 = 3.23$ 3.23

BEBC,0 [Bosetti et al., Phys.Lett.B70:273 (1977)]
4 DoF, $\chi^2 = 6.43$ 6.42

BEBC,2 [Colley et al., Zeit.Phys.C2:187 (1979)]
3 DoF, $\chi^2 = 0.0677$ 0.0662

BEBC,5 [Bosetti et al., Phys.Lett.B110:167 (1982)]
6 DoF, $\chi^2 = 4.59$ 4.6

BEBC,8 [Parker et al., Nucl.Phys.B232:1 (1984)]
1 DoF, $\chi^2 = 9.6$ 9.63

BNL_7FT,0 [Baltay et al., Phys.Rev.Lett.44:916 (1980)]
2 DoF, $\chi^2 = 0.117$ 0.125

BNL_7FT,4 [Baker et al., Phys.Rev.D25:617 (1982)]
13 DoF, $\chi^2 = 14.6$ 14.9

CCFR,2 [Seligman et al., Nevis Report 292 (1996)]
12 DoF, $\chi^2 = 8.95$ 8.97

CCFR,0 [MacFarlane et al., Zeit.Phys.C26:1 (1984)]
13 DoF, $\chi^2 = 2.38$ 2.39

CHARM,0 [Jonker et al., Phys.Lett.B99:265 (1981)]
1 DoF, $\chi^2 = 6.27$ 6.3

CHARM,4 [Allaby et al., Zeit.Phys.C38:403 (1988)]
1 DoF, $\chi^2 = 0.171$ 0.186

FNAL_15FT,1 [Kitagaki et al., Phys.Rev.Lett.49:98 (1982)]
6 DoF, $\chi^2 = 0.41$ 0.414

FNAL_15FT,2 [Baker et al., Phys.Rev.Lett.51:735 (1983)]
4 DoF, $\chi^2 = 3.63$ 3.64

Gargamelle,0 [Eichten et al., Phys.Lett.B46:274 (1973)]
1 DoF, $\chi^2 = 0.6$ 0.637

Gargamelle,10 [Ciampolillo et al., Phys.Lett.B84:281 (1979)]
2 DoF, $\chi^2 = 1.4$ 1.43

Gargamelle,12 [Morfin et al., Phys.Lett.B104:235 (1981)]
5 DoF, $\chi^2 = 4.33$ 4.35

IHEP_ITEP,0 [Asratyan et al., Phys.Lett.B76:239 (1978)]
1 DoF, $\chi^2 = 0.104$ 0.113

IHEP_ITEP,2 [Vovenko et al., Sov.J.Nucl.Phys.30:528 (1979)]
4 DoF, $\chi^2 = 0.103$ 0.098

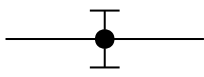
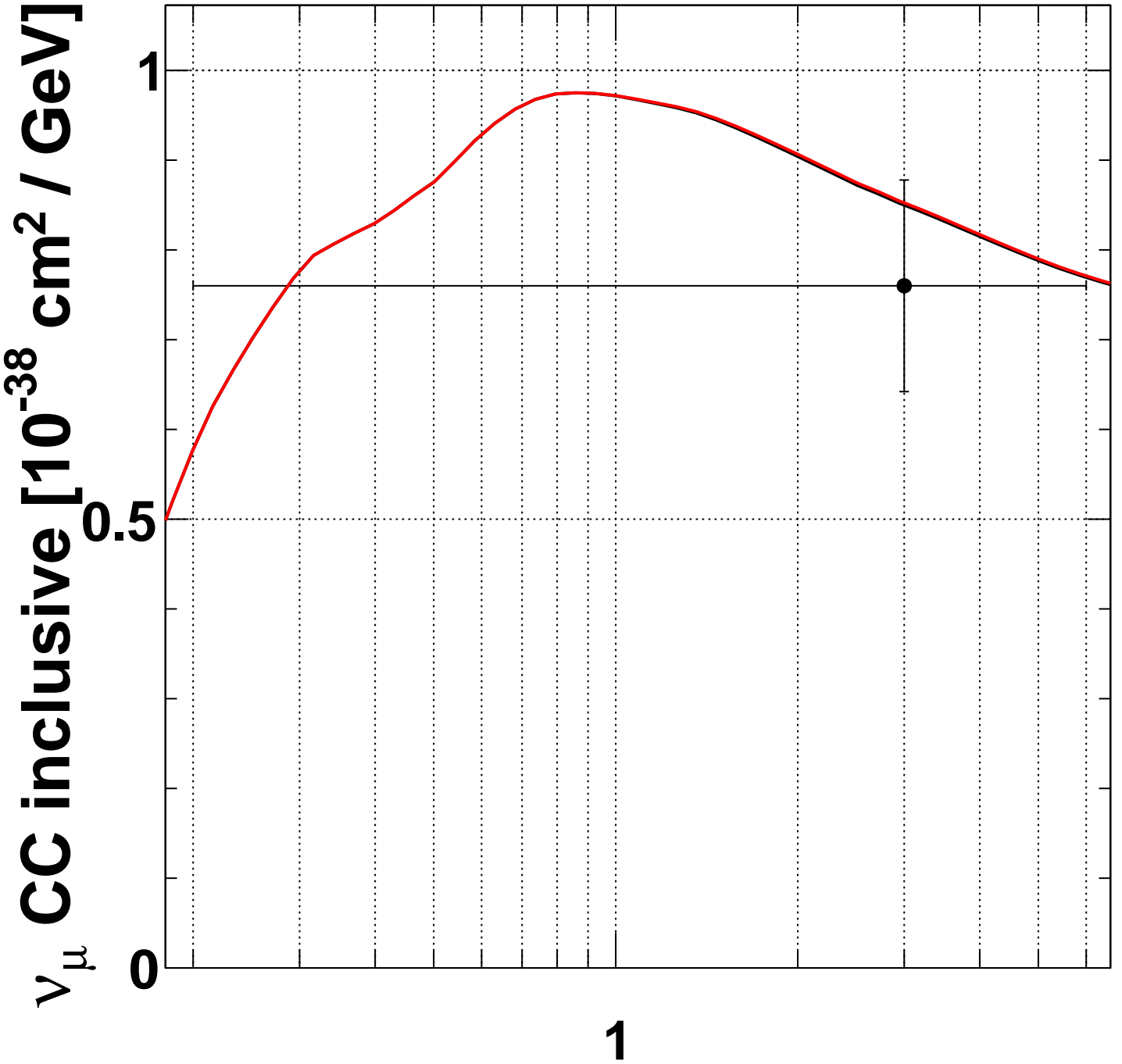
IHEP_JINR,0 [Anikeev et al., Zeit.Phys.C70:39 (1996)]
9 DoF, $\chi^2 = 9.83$ 9.88

MINOS,0 [Adamson et al., Phys.Rev.D81:072002 (2010)]
13 DoF, $\chi^2 = 20.5$ 21.6

NOMAD,5 [Wu et al., Phys.Lett.B660:19 (2008)]
29 DoF, $\chi^2 = 7.15$ 7.54

SKAT,0 [Baranov et al., Phys.Rev.B81 255 (1979)]
4 DoF, $\chi^2 = 5.6$ 5.74

SciBooNE,0 [Nakajima et al., Phys.Rev.D83:012005 (2011)]
6 DoF, $\chi^2 = 8.16$ 8.17



ANL_12FT,2 [Barish et al., Phys.Lett.B66:291 (1977)]

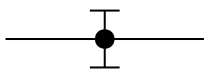
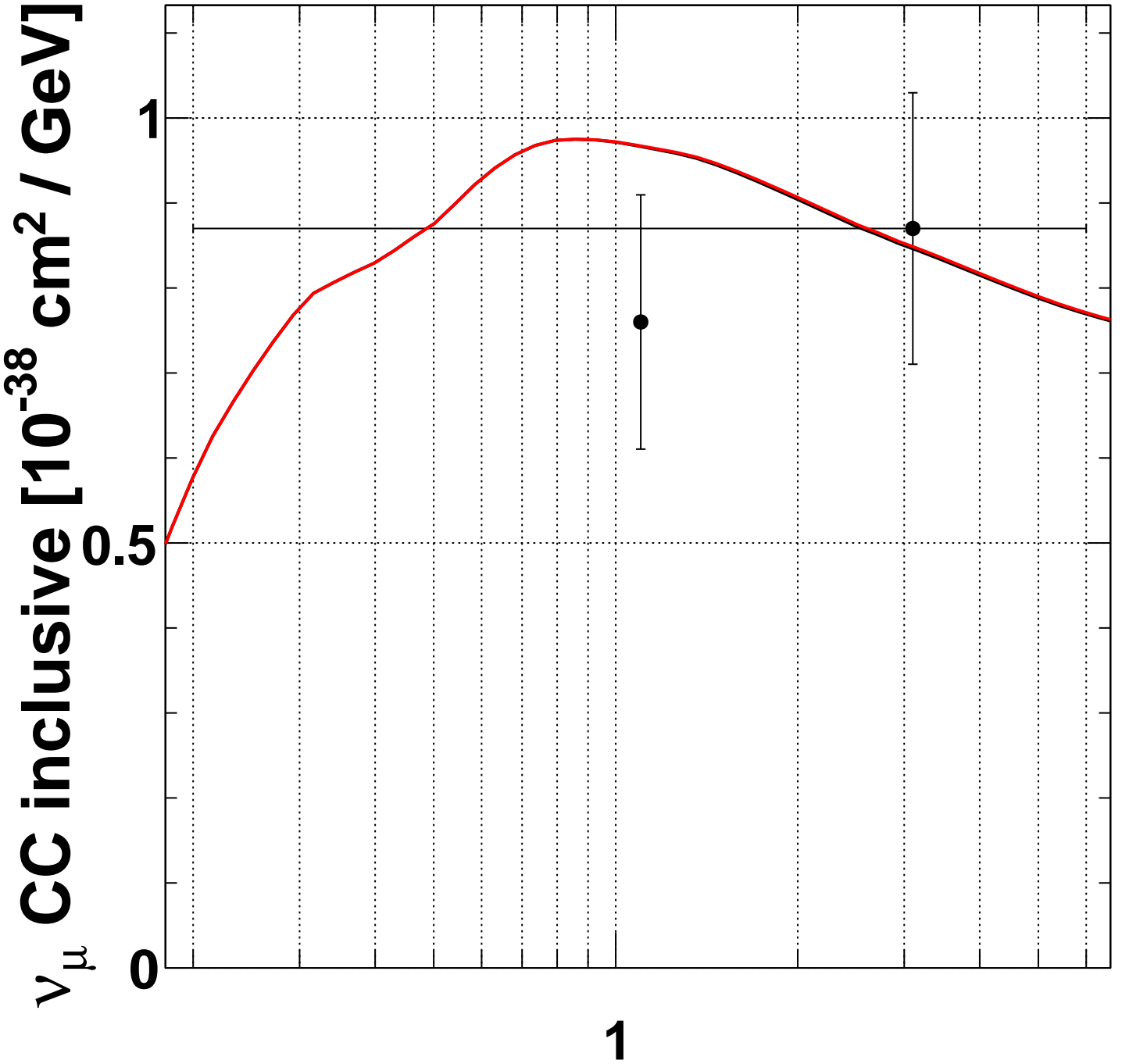


master:G18_02a_00_000:numu_freenuc $\chi^2 = 0.772/1$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 0.788/1$ DoF

[GeV]



ANL_12FT,4 [Barish et al., Phys.Rev.D19:2521 (1979)]

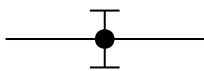
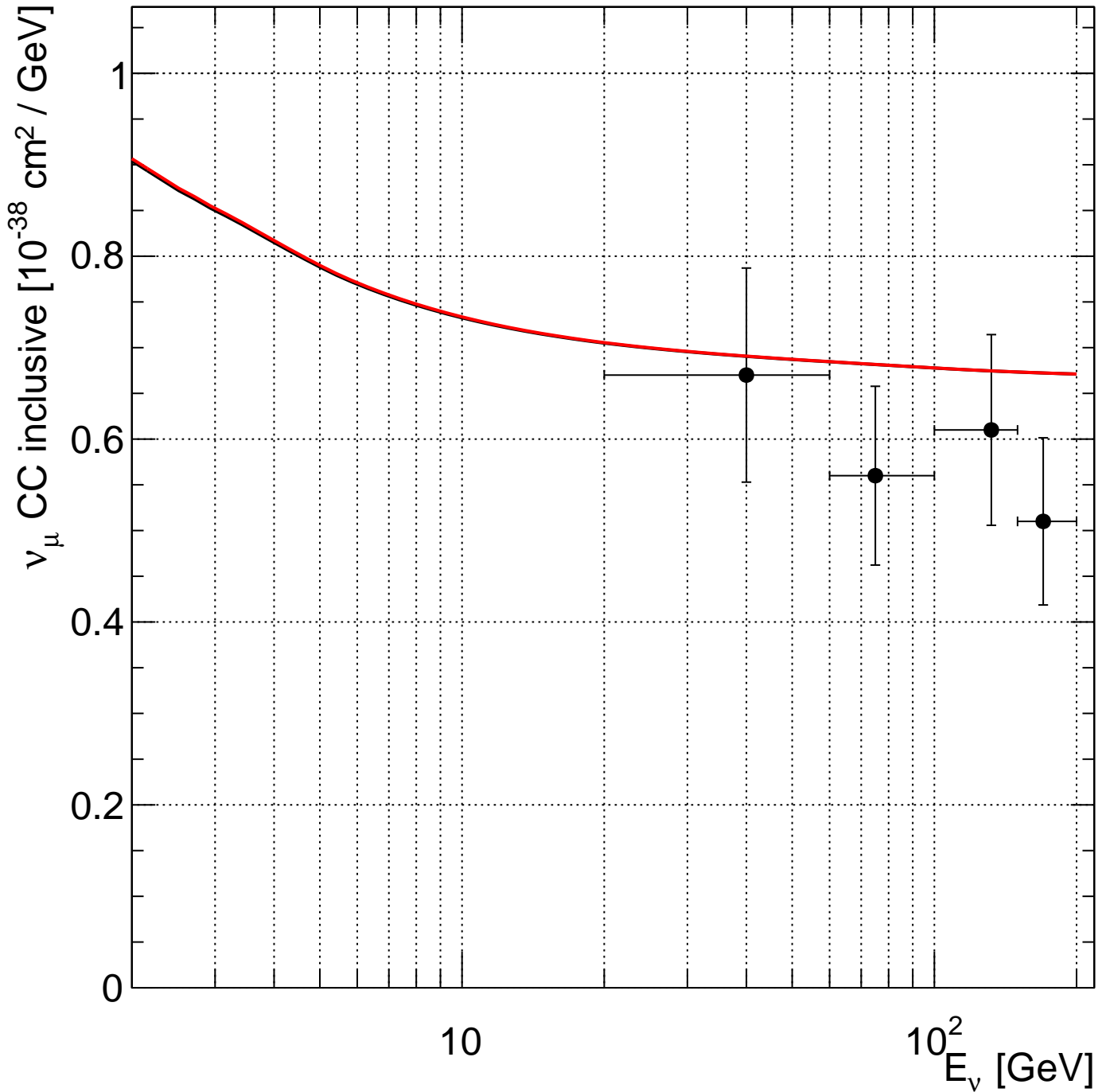


master:G18_02a_00_000:numu_freenuc $\chi^2 = 3.23/2$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 3.23/2$ DoF

[GeV]



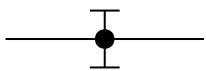
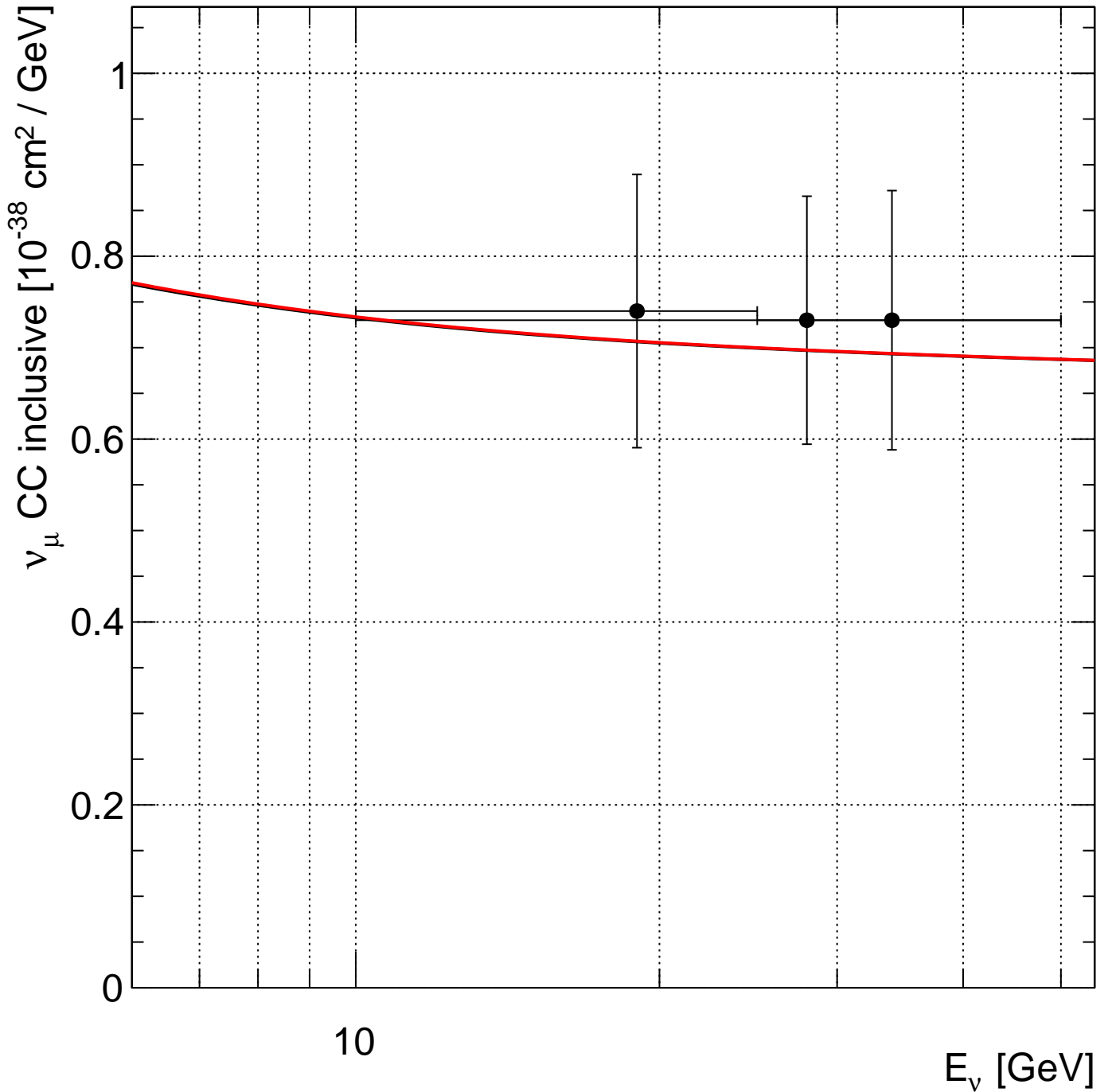
BEBC,0 [Bosetti et al., Phys.Lett.B70:273 (1977)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 6.43/4$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 6.42/4$ DoF



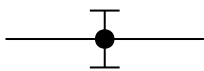
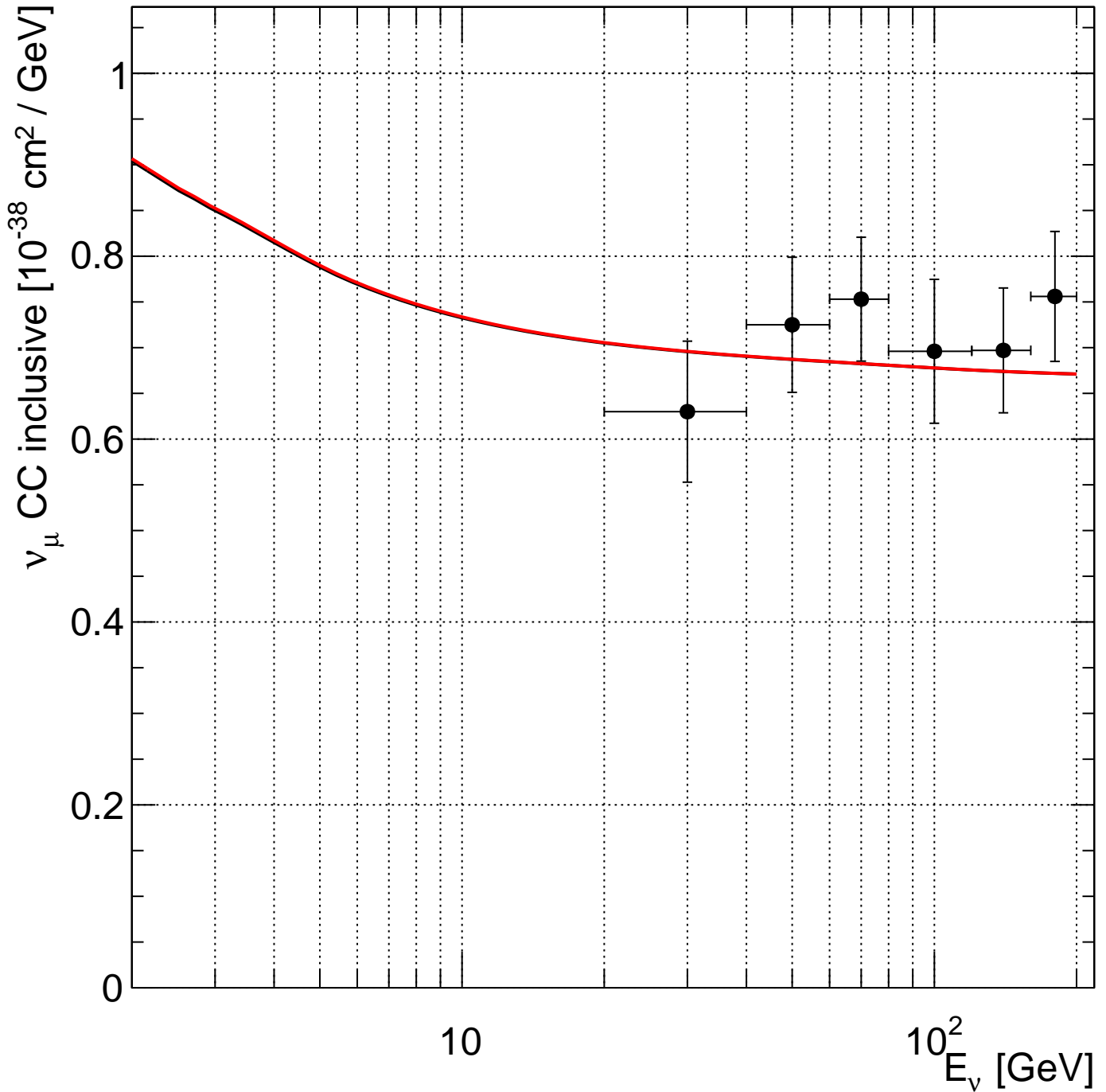
BEBC,2 [Colley et al., Zeit.Phys.C2:187 (1979)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 0.0677/3$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 0.0662/3$ DoF



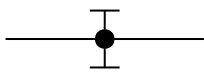
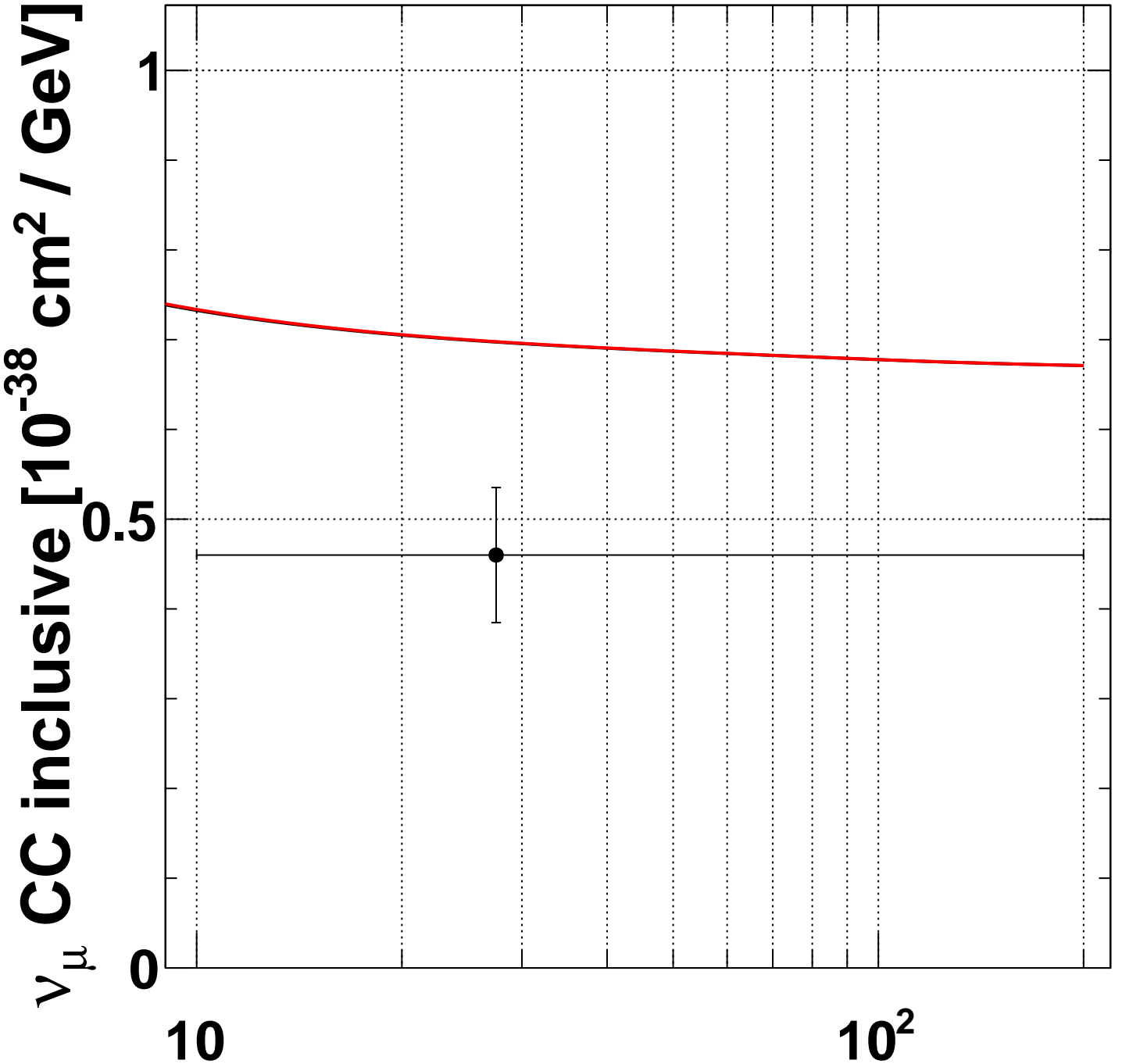
BEBC,5 [Bosetti et al., Phys.Lett.B110:167 (1982)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 4.59/6$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 4.6/6$ DoF



BEBC,8 [Parker et al., Nucl.Phys.B232:1 (1984)]

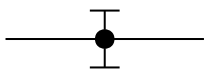
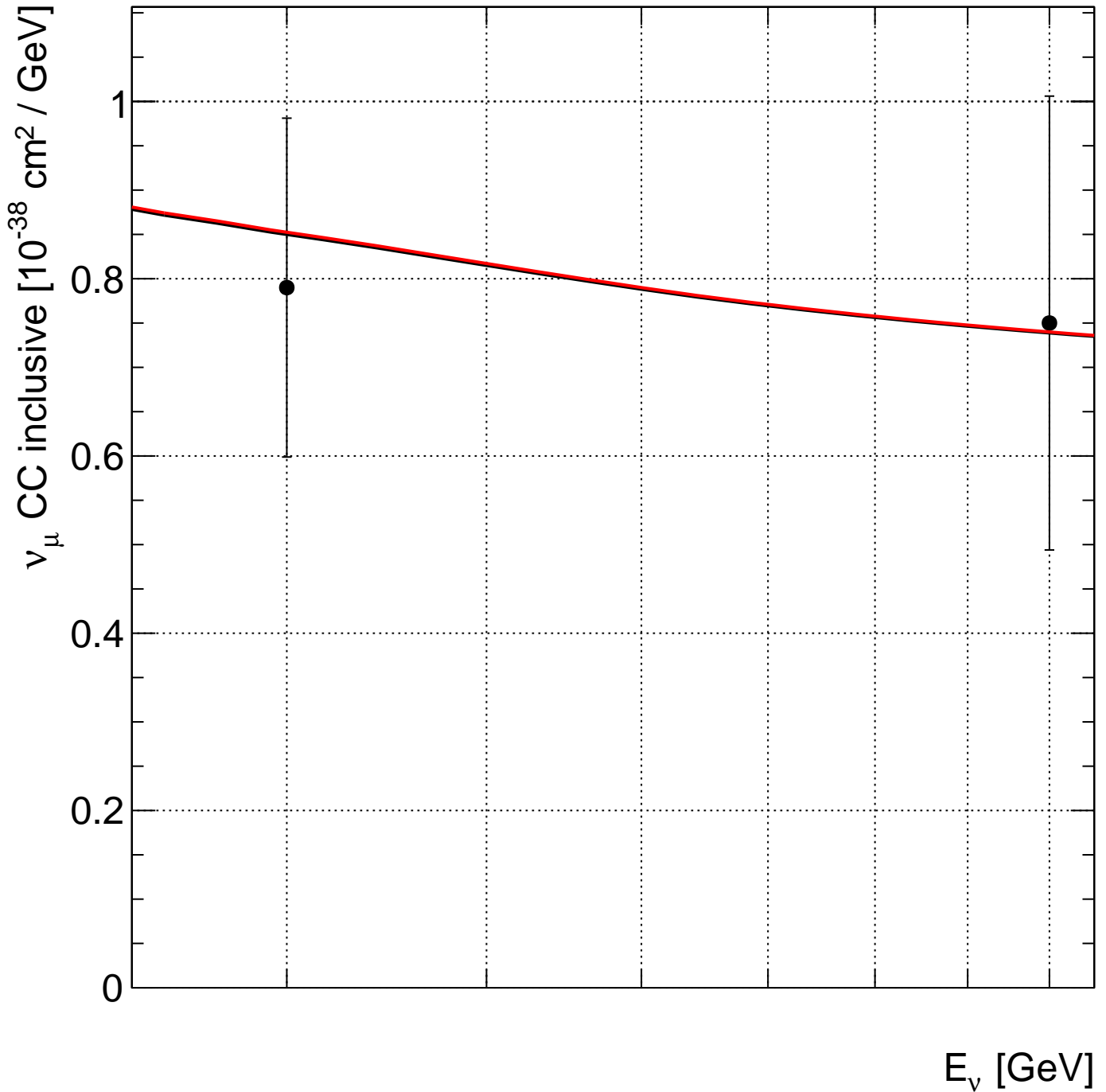


master:G18_02a_00_000:numu_freenuc $\chi^2 = 9.6/1$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 9.63/1$ DoF

[GeV]



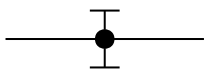
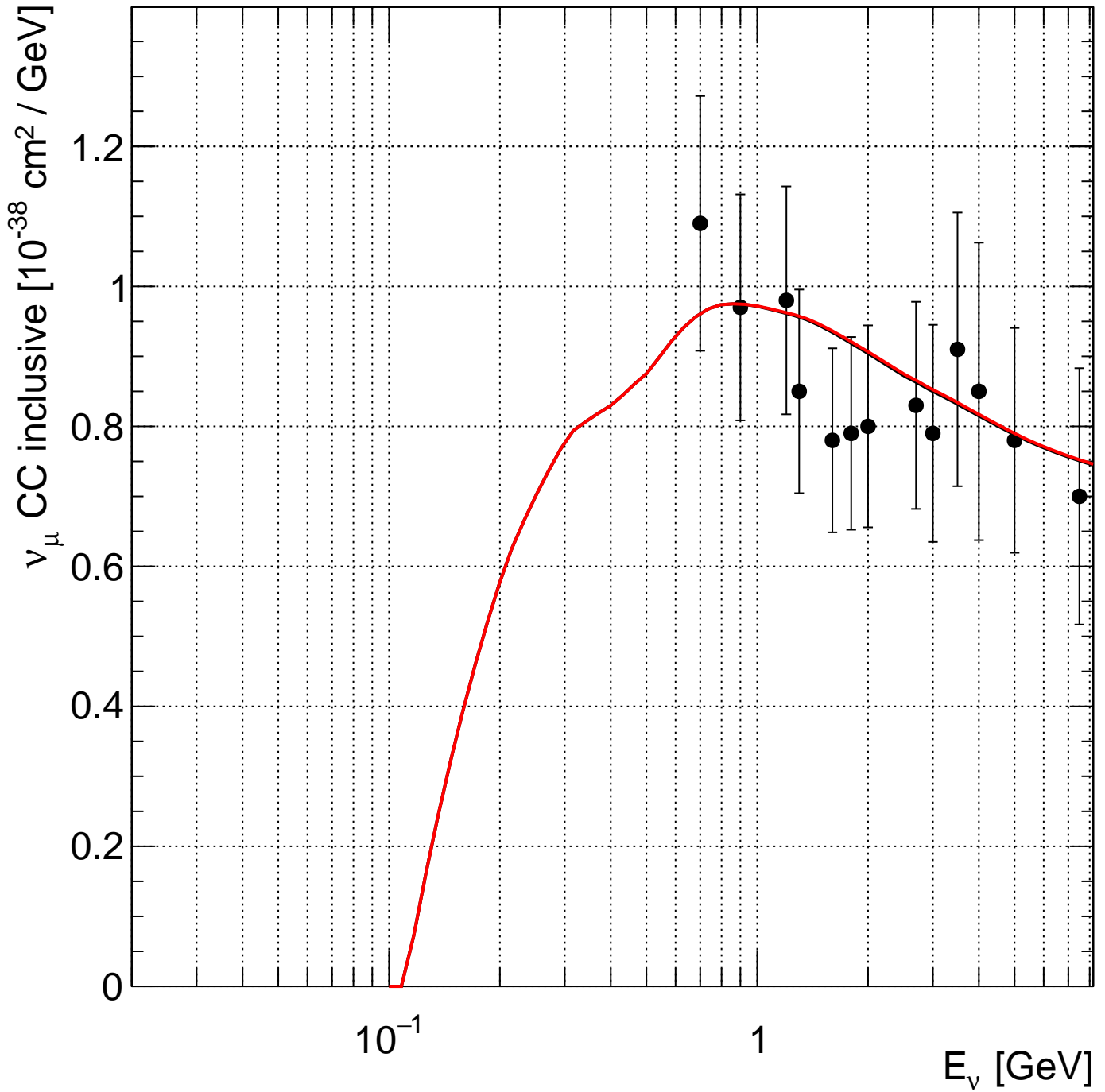
BNL_7FT,0 [Baltay et al., Phys.Rev.Lett.44:916 (1980)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 0.117/2$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 0.125/2$ DoF



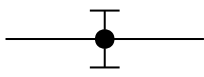
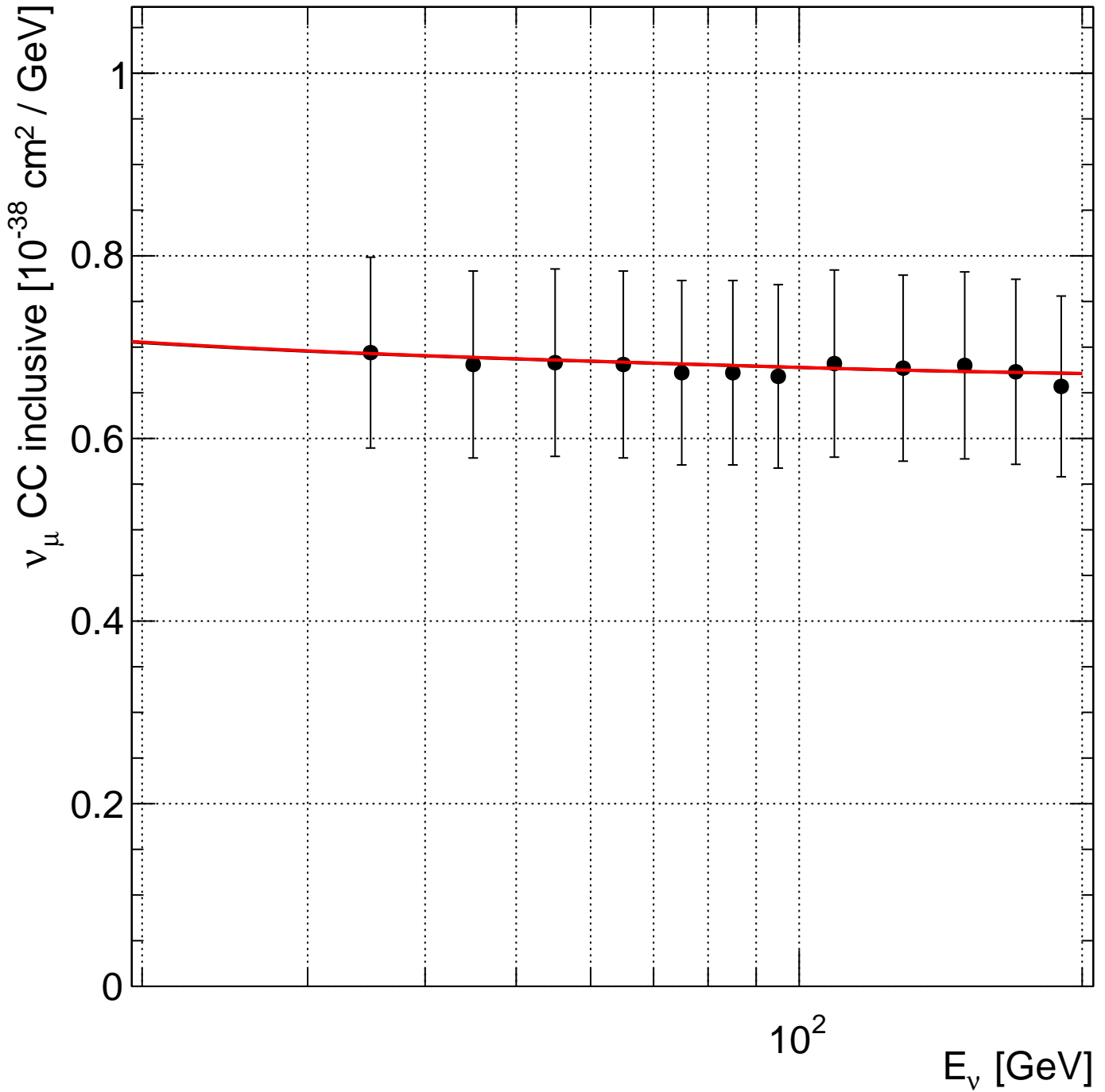
BNL_7FT,4 [Baker et al., Phys.Rev.D25:617 (1982)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 14.6/13$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 14.9/13$ DoF



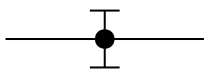
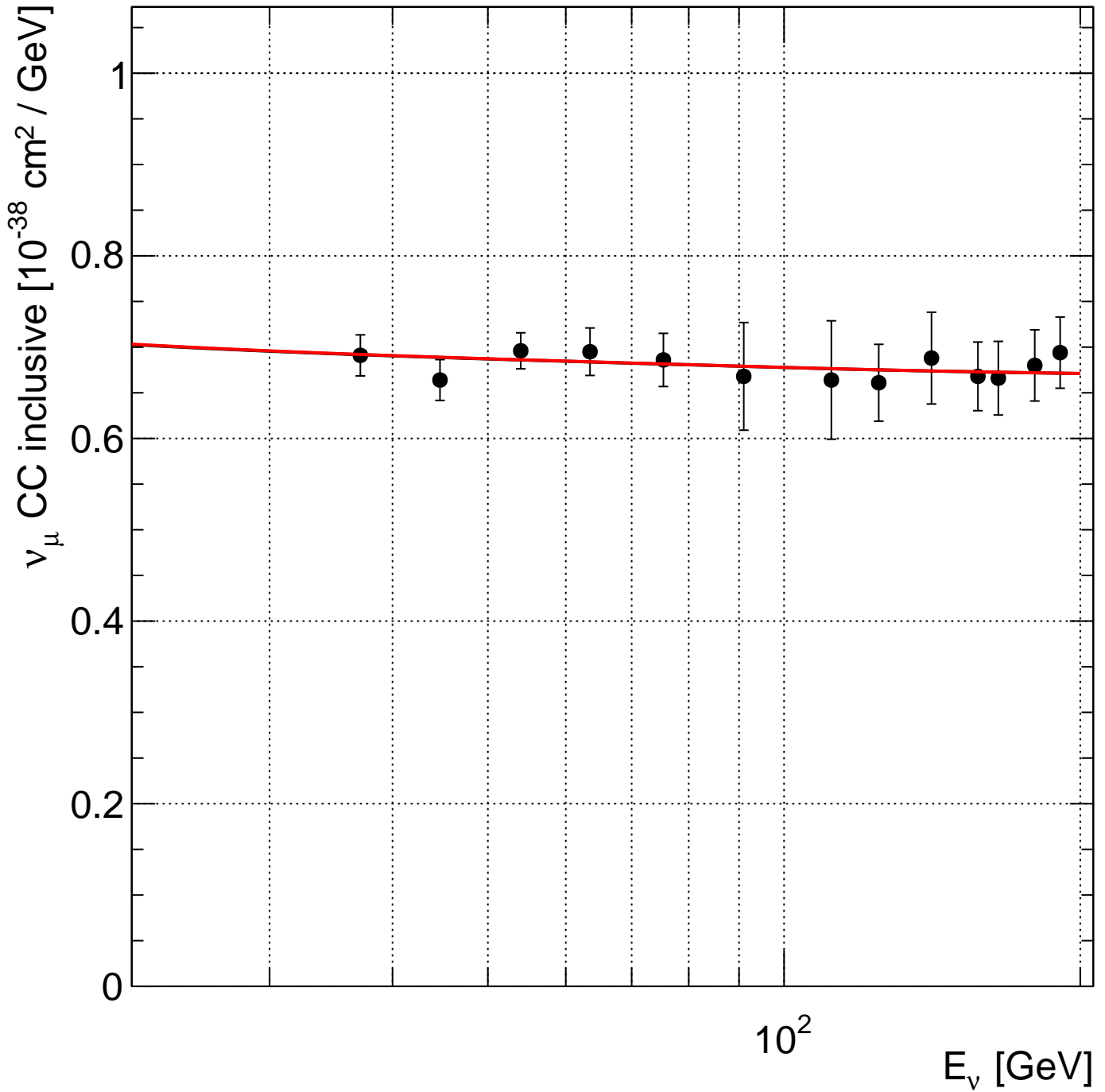
CCFR,2 [Seligman et al., Nevis Report 292 (1996)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 8.95/12$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 8.97/12$ DoF



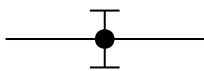
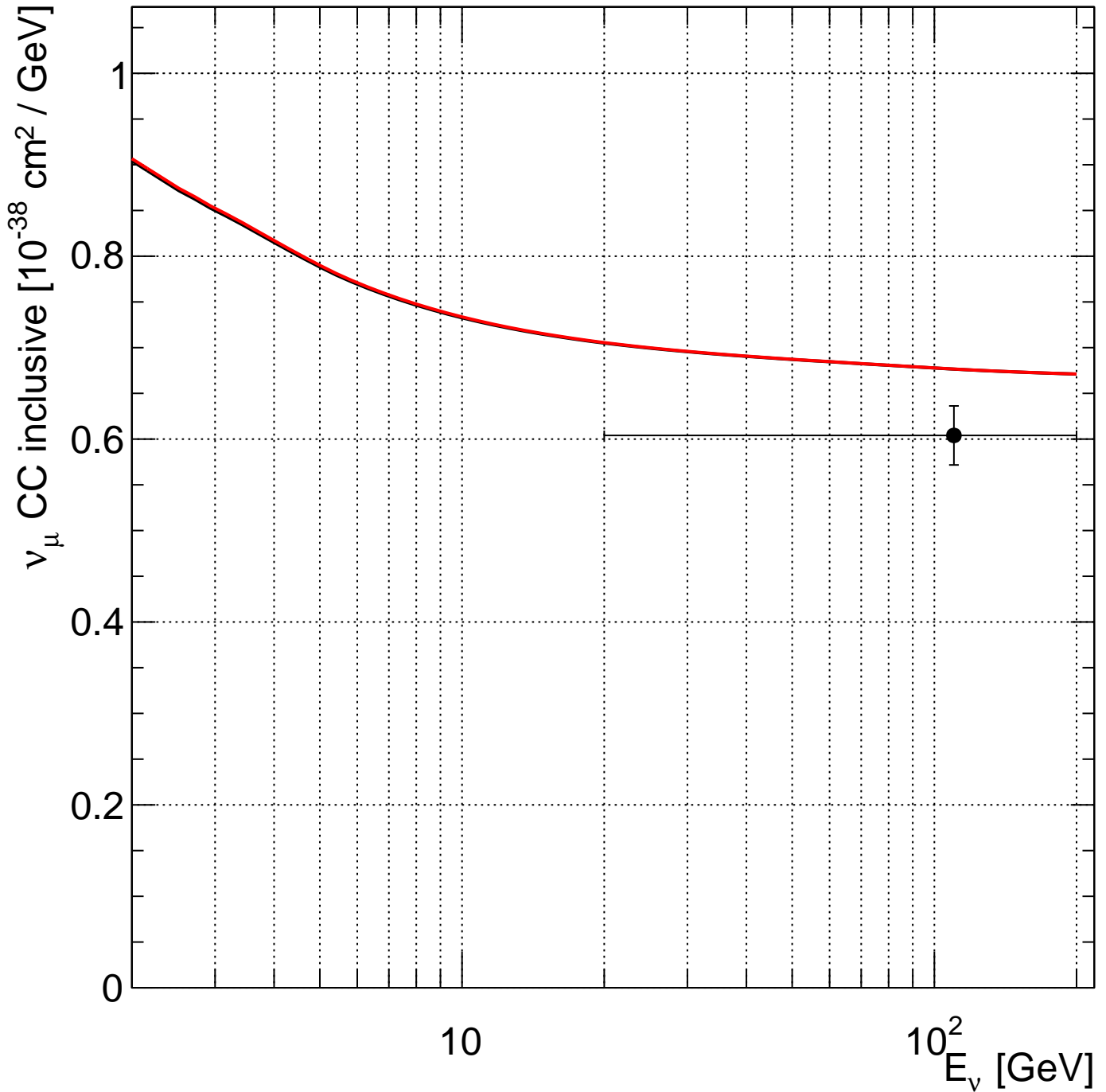
CCFRR,0 [MacFarlane et al., Zeit.Phys.C26:1 (1984)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 2.38/13$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 2.39/13$ DoF



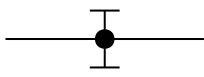
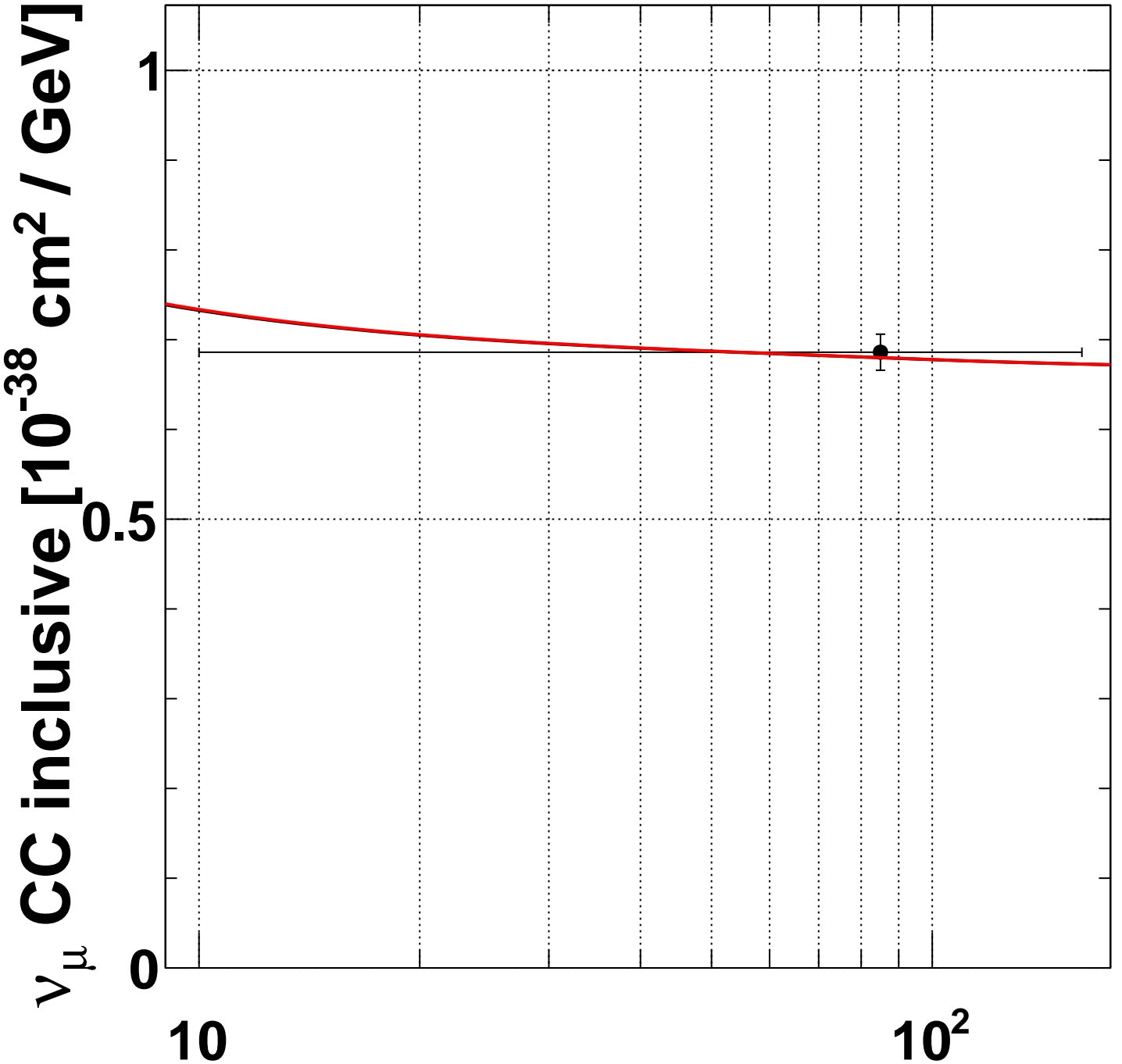
CHARM,0 [Jonker et al., Phys.Lett.B99:265 (1981)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 6.27/1$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 6.3/1$ DoF



CHARM,4 [Allaby et al., Zeit.Phys.C38:403 (1988)]

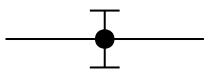
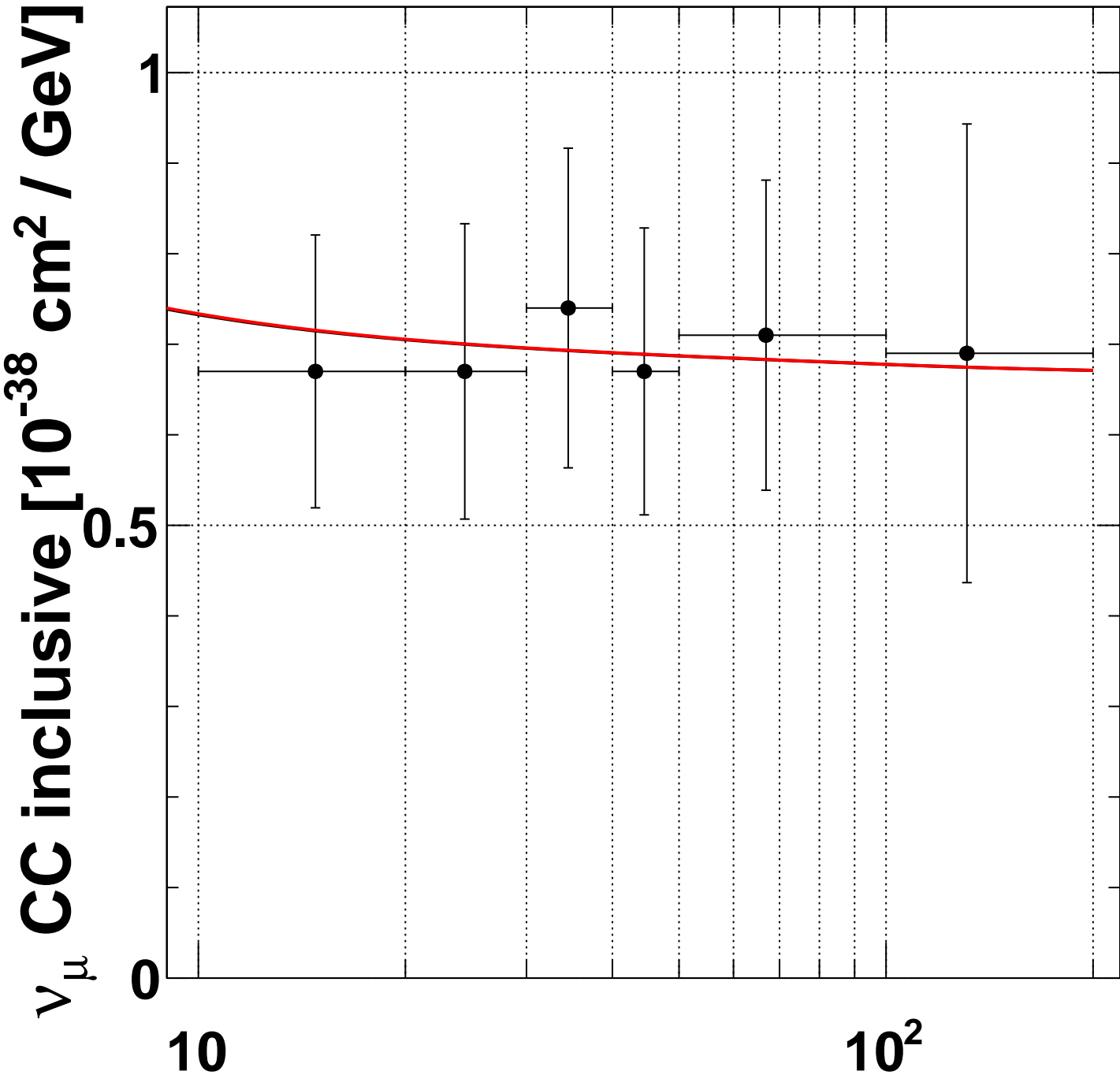


master:G18_02a_00_000:numu_freenuc $\chi^2 = 0.171/1$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 0.186/1$ DoF

[GeV]



FNAL_15FT,1 [Kitagaki et al., Phys.Rev.Lett.49:98 (1982)]

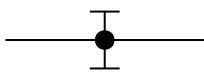
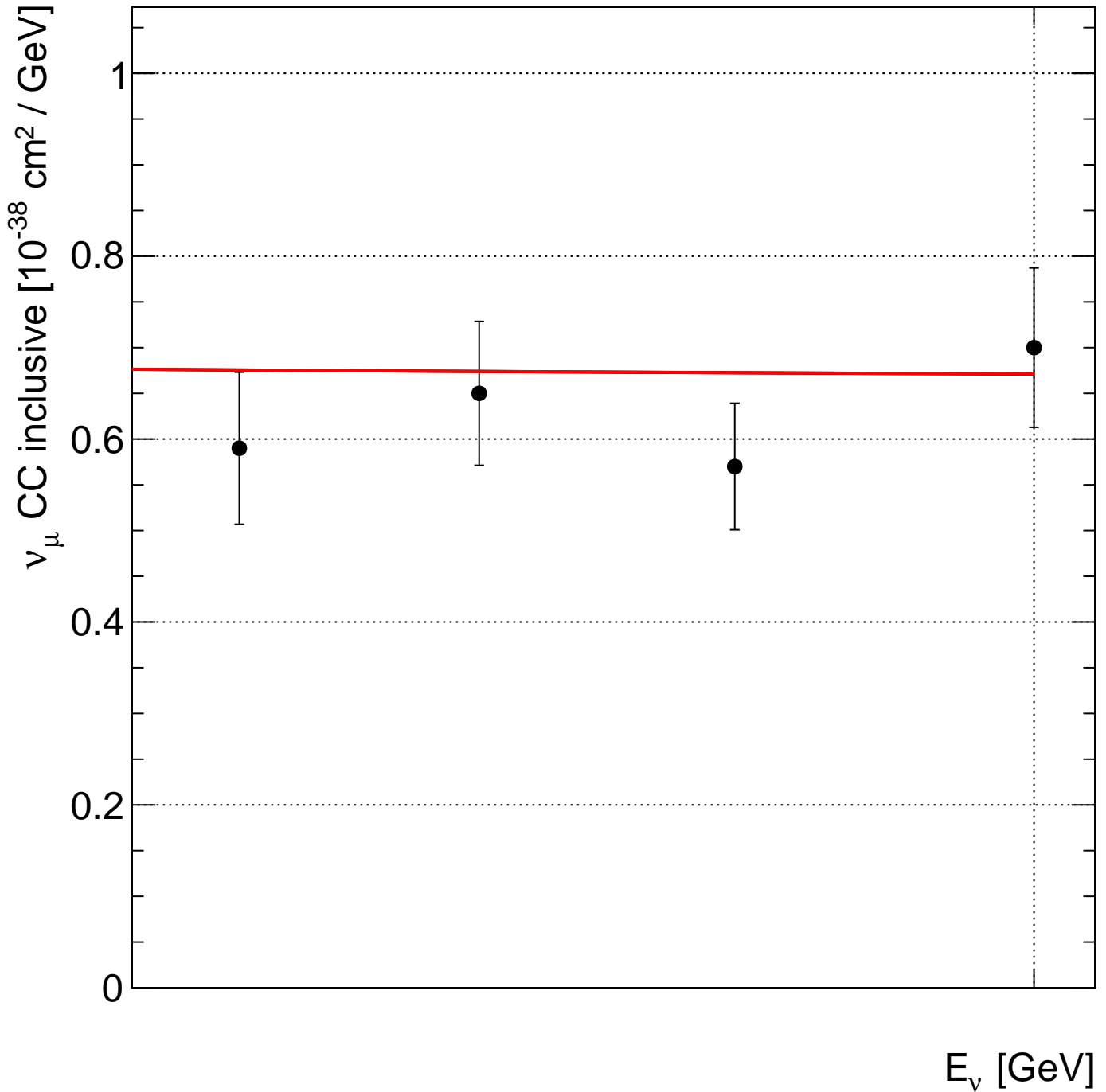


master:G18_02a_00_000:numu_freenuc $\chi^2 = 0.41/6$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 0.414/6$ DoF

[GeV]



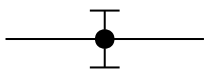
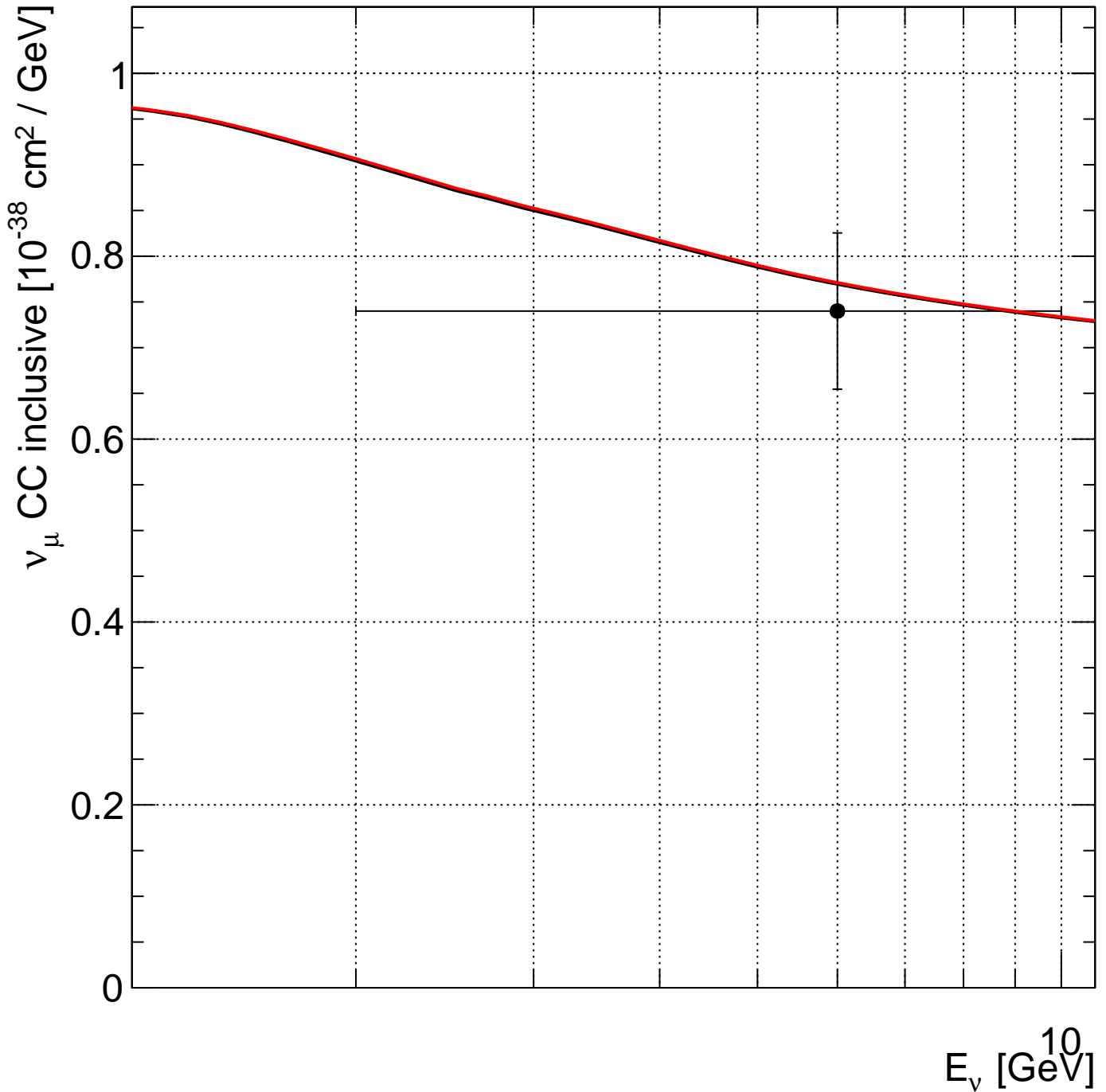
FNAL_15FT,2 [Baker et al., Phys.Rev.Lett.51:735 (1983)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 3.63/4$ DoF



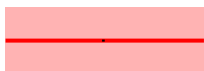
RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 3.64/4$ DoF



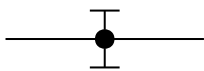
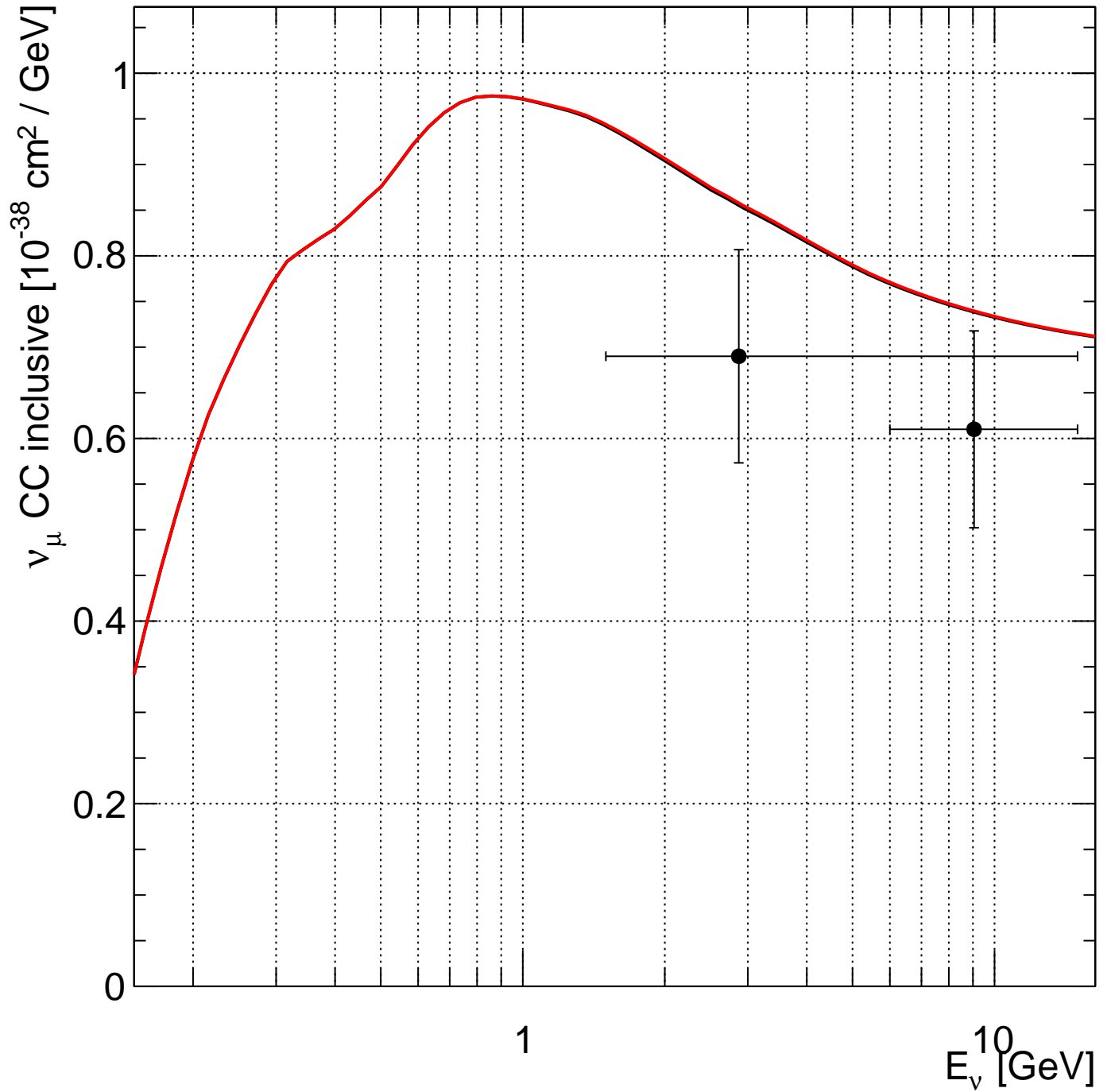
Gargamelle,0 [Eichten et al., Phys.Lett.B46:274 (1973)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 0.6/1$ DoF



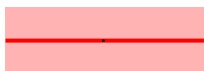
RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 0.637/1$ DoF



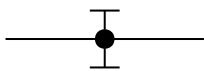
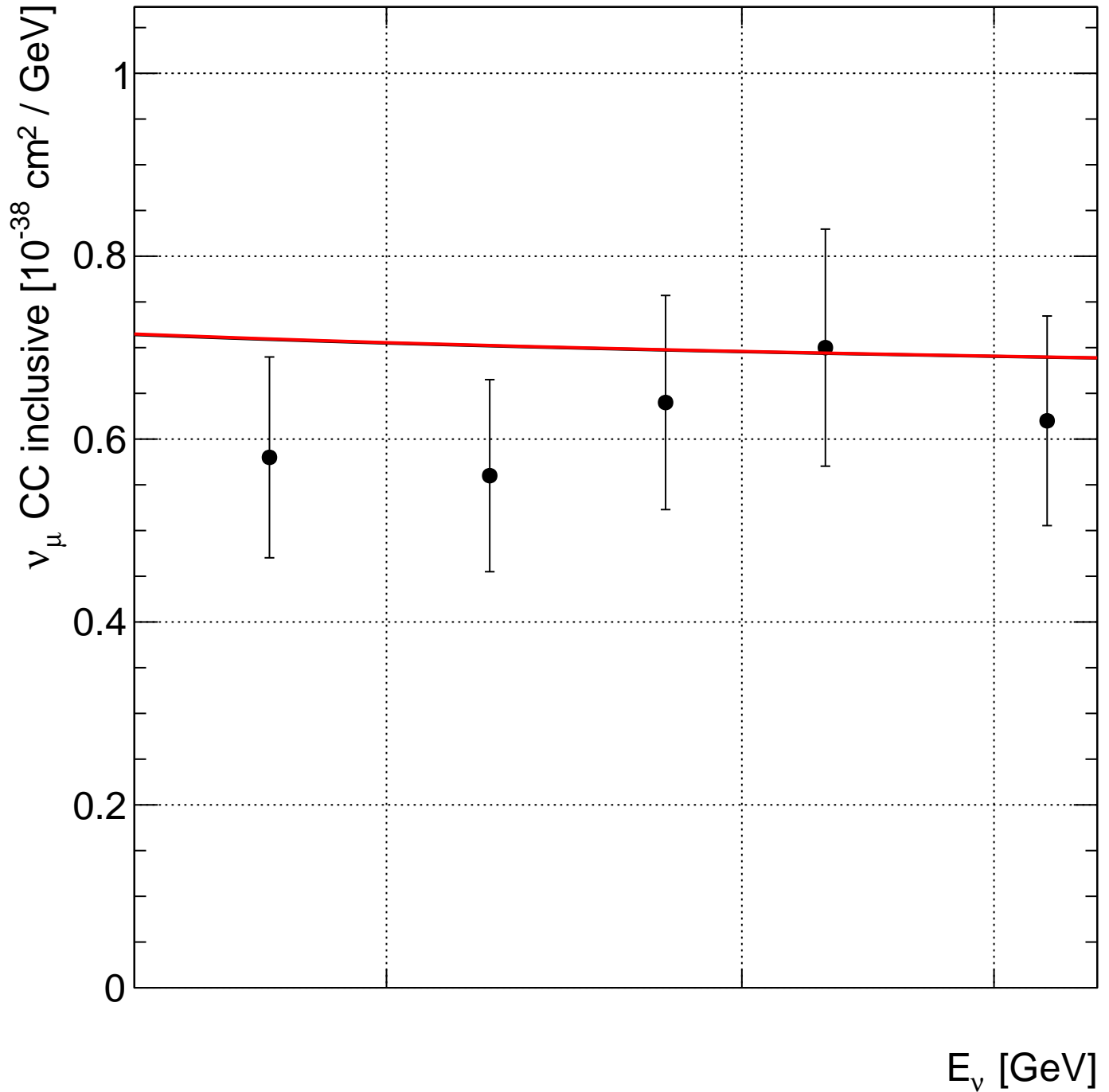
Gargamelle,10 [Ciampolillo et al., Phys.Lett.B84:281 (1979)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 1.4/2$ DoF



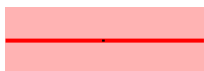
RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 1.43/2$ DoF



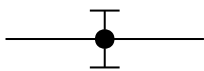
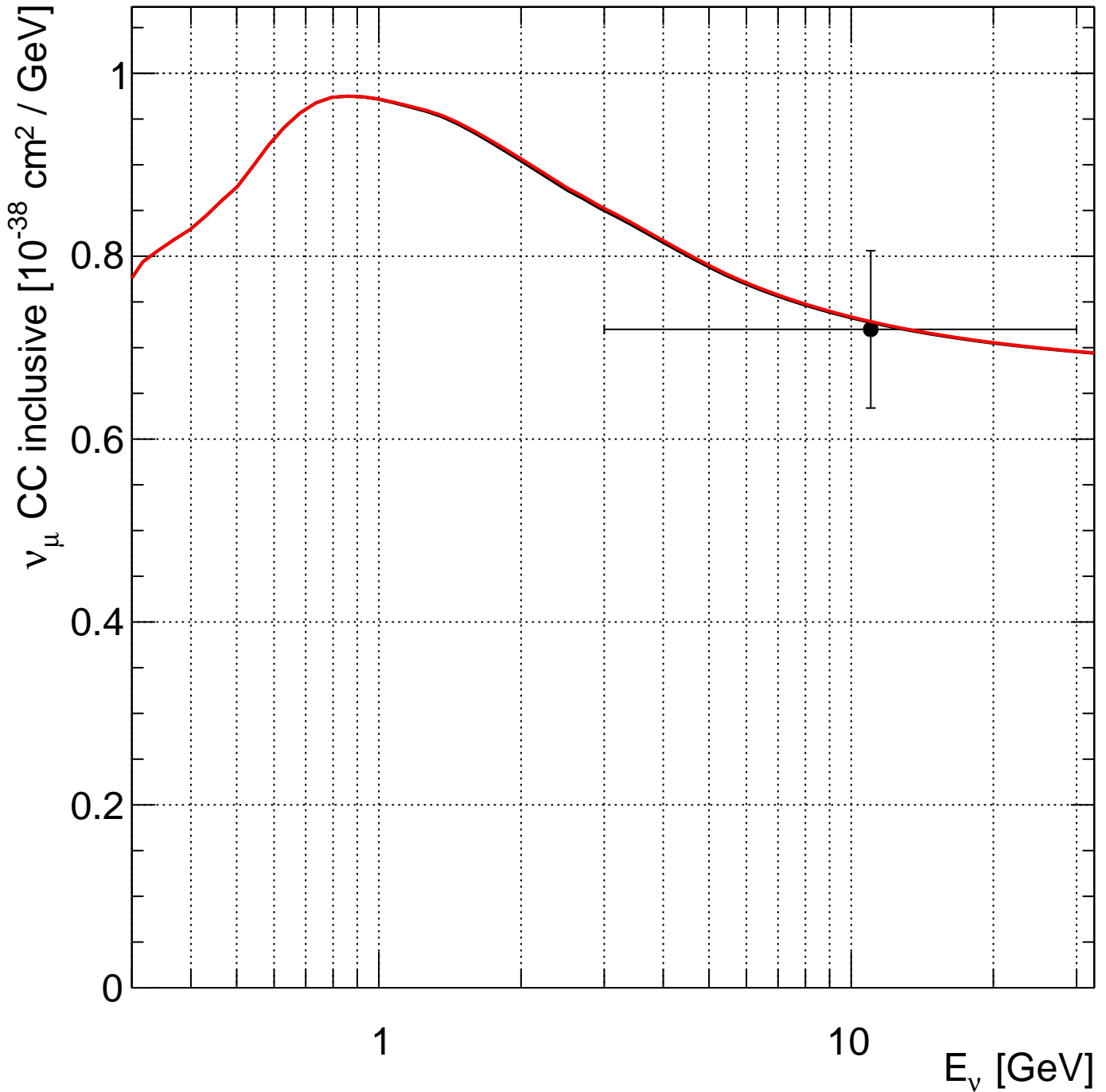
Gargamelle,12 [Morfin et al., Phys.Lett.B104:235 (1981)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 4.33/5$ DoF



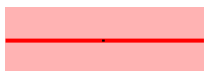
RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 4.35/5$ DoF



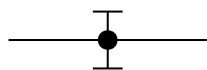
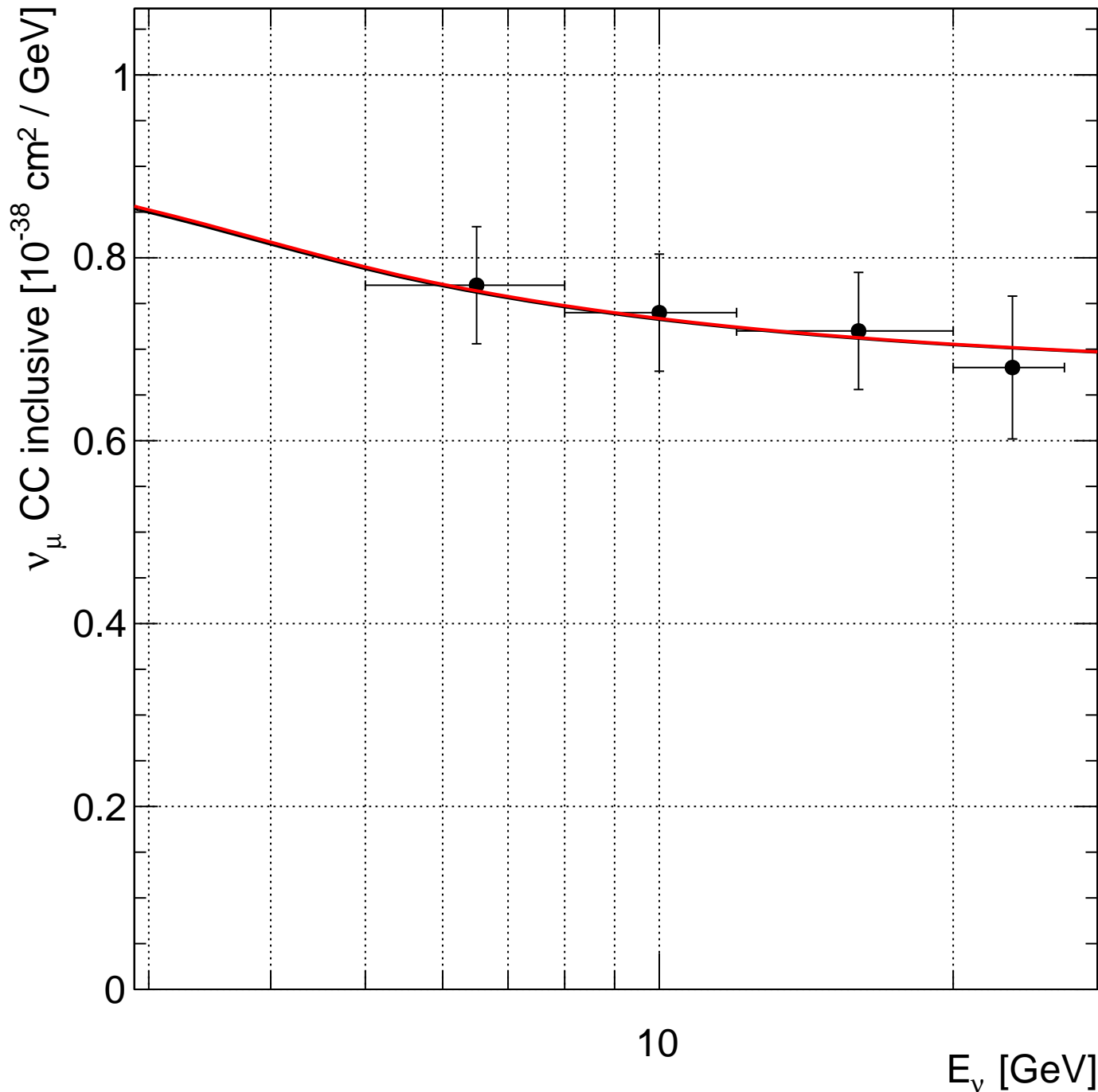
IHEP ITEP,0 [Asratyan et al., Phys.Lett.B76:239 (1978)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 0.104/1$ DoF



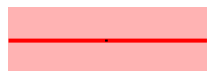
RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 0.113/1$ DoF



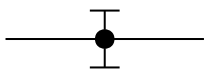
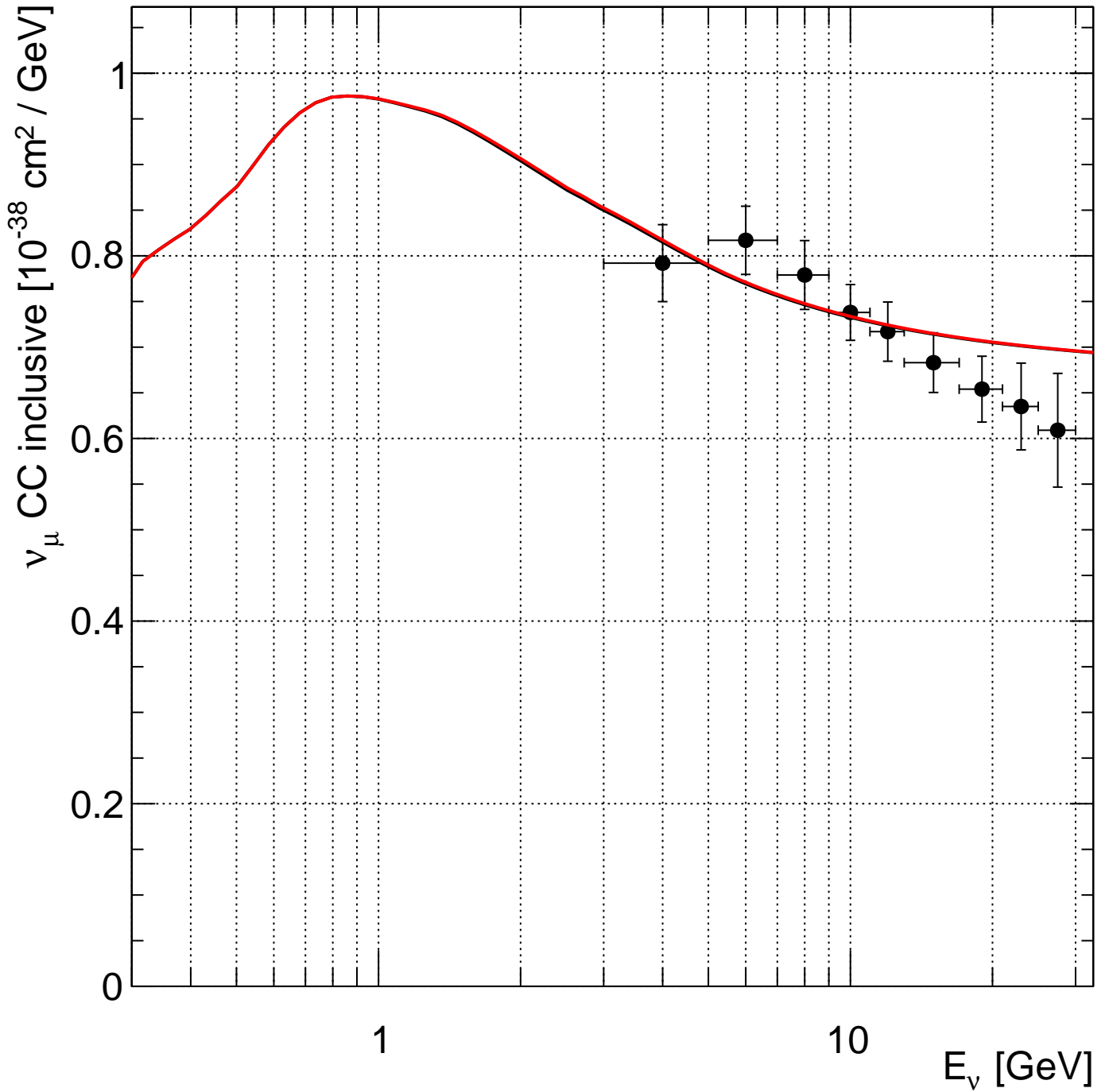
IHEP_ITEP,2 [Vovenko et al., Sov.J.Nucl.Phys.30:528 (1979)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 0.103/4$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 0.098/4$ DoF



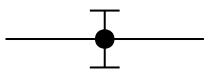
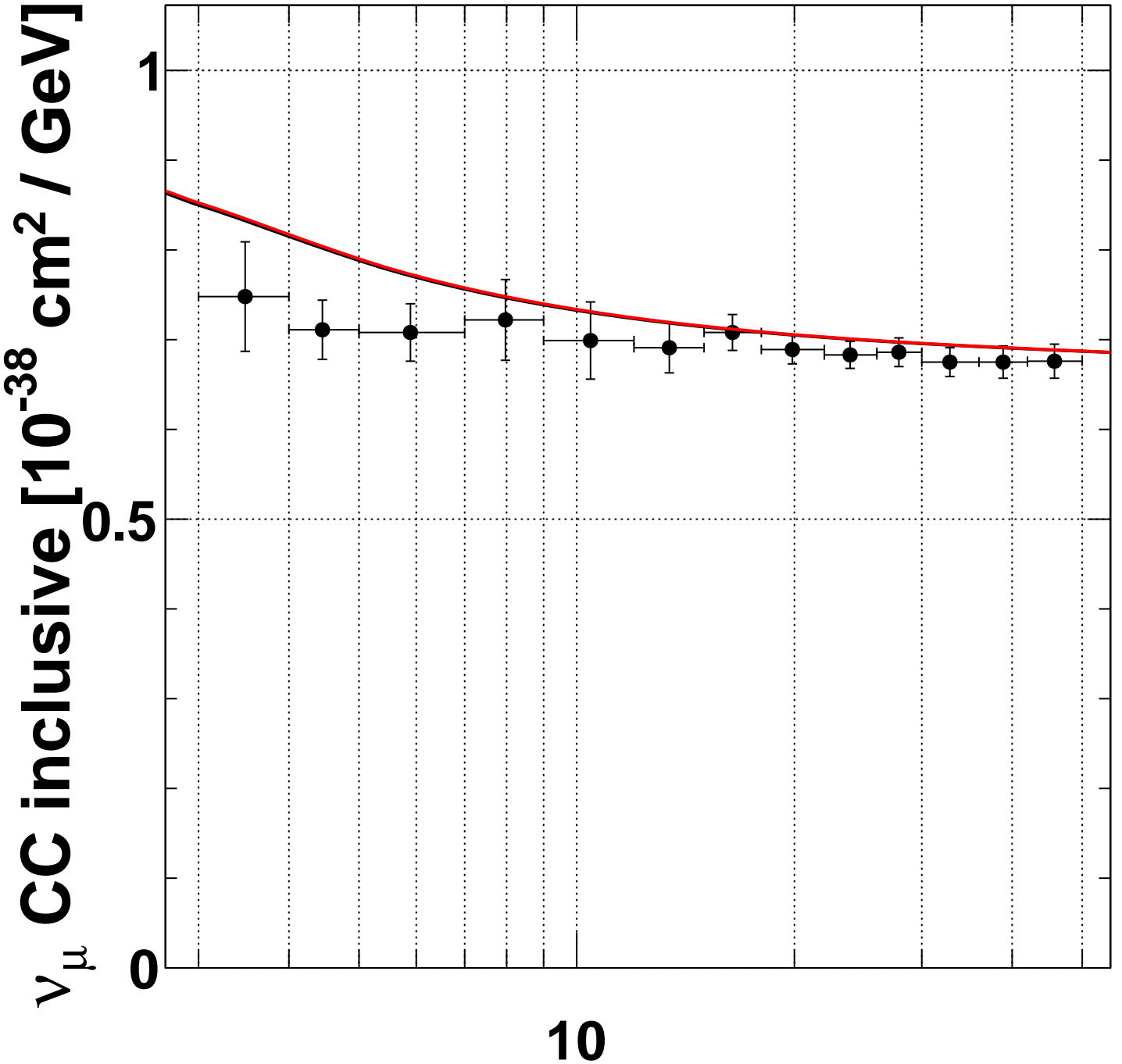
IHEP_JINR,0 [Anikeev et al., Zeit.Phys.C70:39 (1996)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 9.83/9$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 9.88/9$ DoF



MINOS,0 [Adamson et al., Phys.Rev.D81:072002 (2010)]

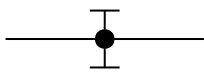
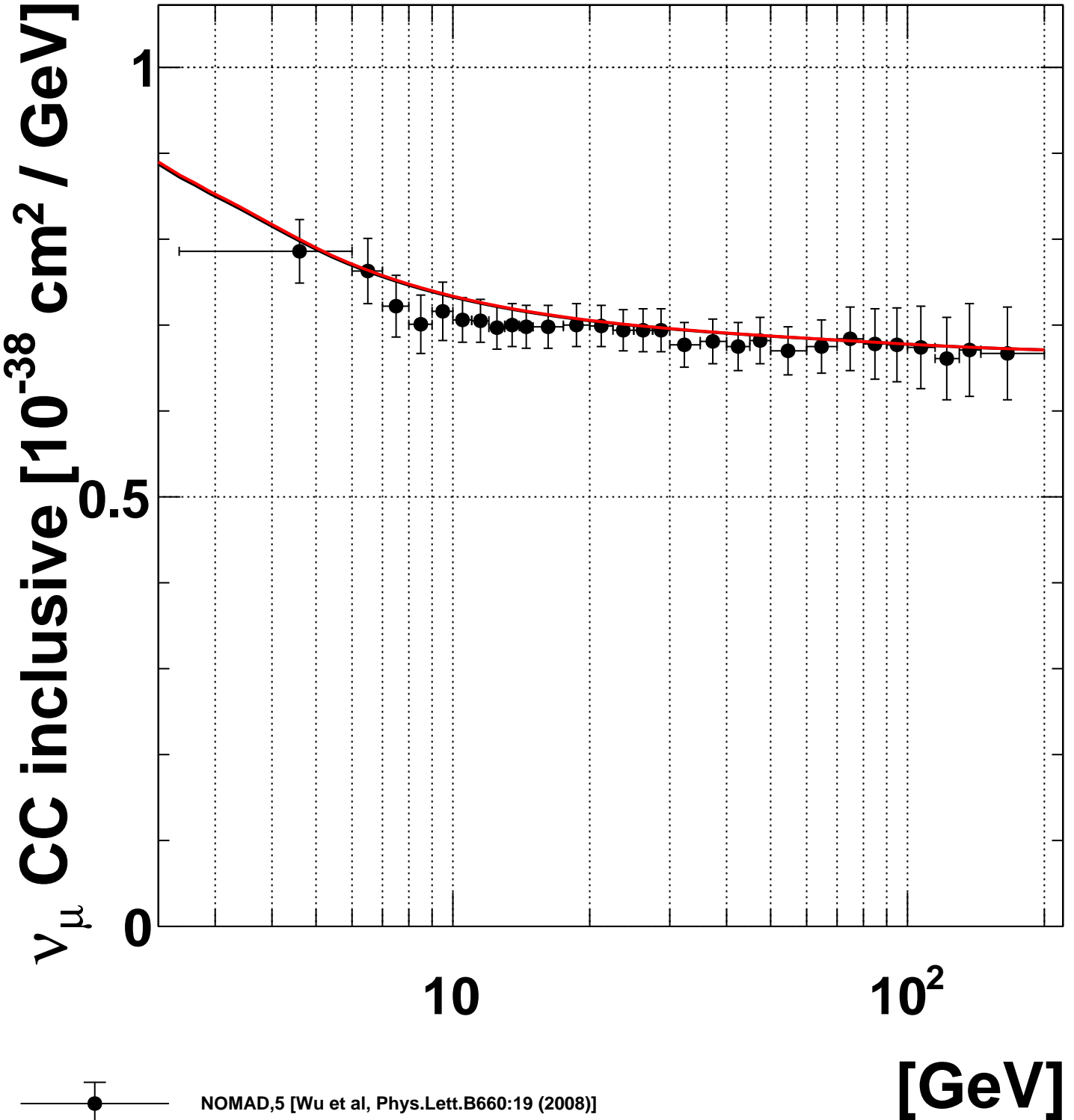


master:G18_02a_00_000:numu_freenuc $\chi^2 = 20.5/13$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 21.6/13$ DoF

[GeV]



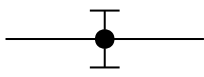
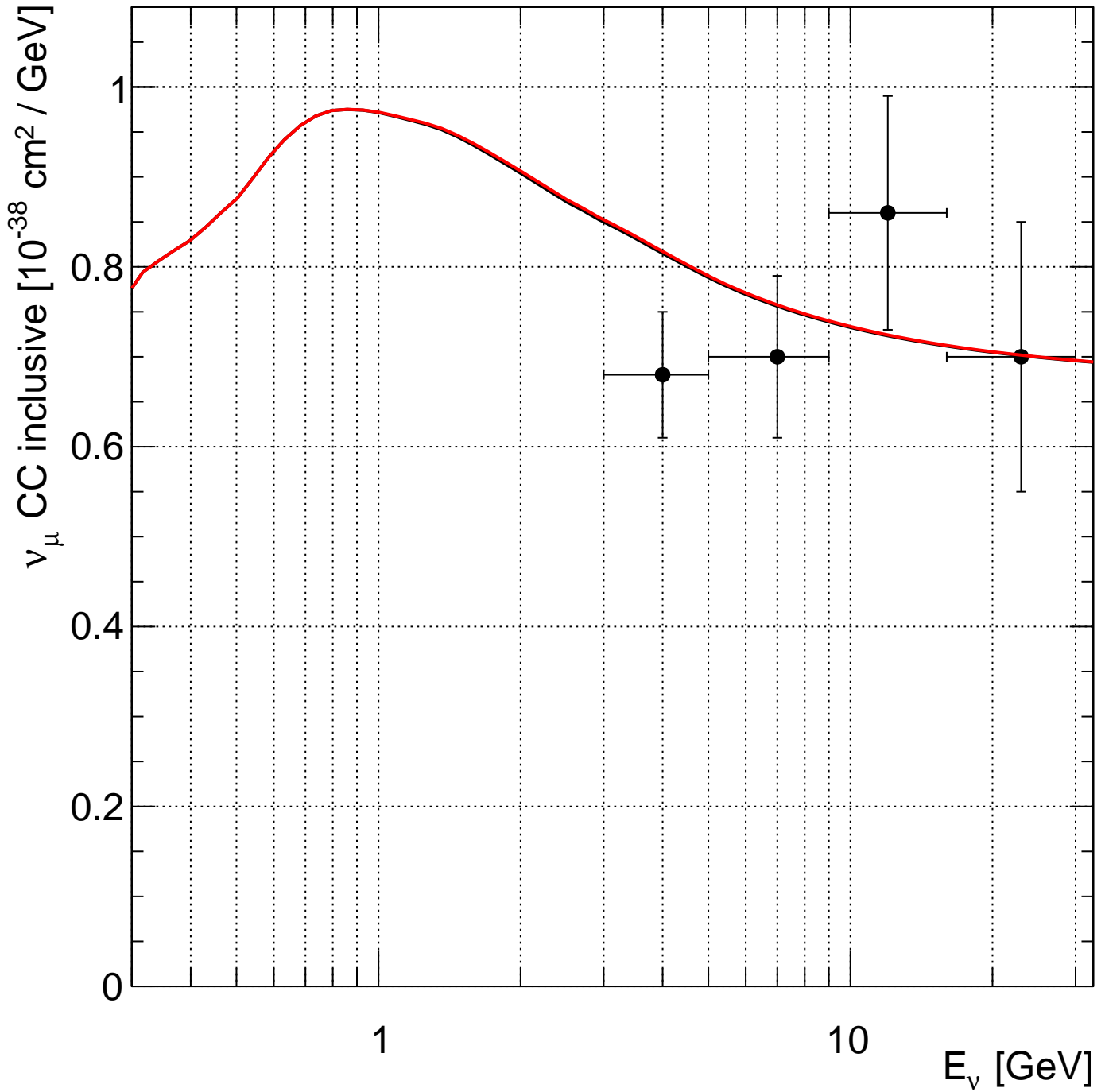
NOMAD,5 [Wu et al, Phys.Lett.B660:19 (2008)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 7.15/29$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 7.54/29$ DoF



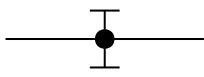
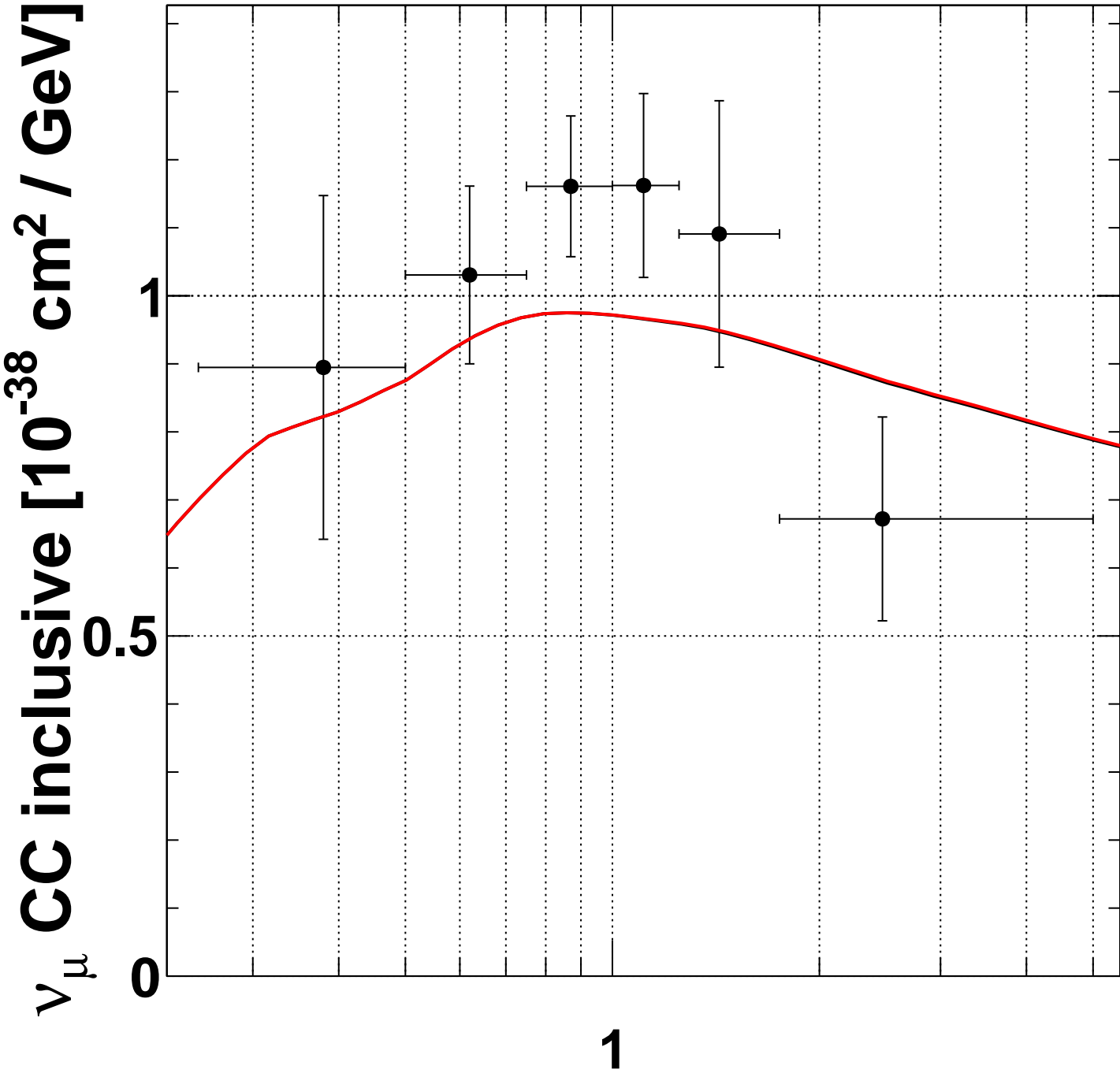
SKAT,0 [Baranov et al., Phys.Rev.B81 255 (1979)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 5.6/4$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 5.74/4$ DoF



SciBooNE,0 [Nakajima et al., Phys.Rev.D83:012005 (2011)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 8.16/6$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 8.17/6$ DoF

[GeV]

Dataset:
numubarCC_all

Models:
master/G18_02a_00_000 $\chi^2 = 74.6 / 69$ DoF
RESFix/G18_02a_00_000 $\chi^2 = 75.8 / 69$ DoF

Subsets:

BEBC,1 [Bosetti et al., Phys.Lett.B70:273 (1977)]
3 DoF, $\chi^2 = 4.62$ 4.64

BEBC,3 [Colley et al., Zeit.Phys.C2:187 (1979)]
1 DoF, $\chi^2 = 0.0261$ 0.0278

BEBC,6 [Bosetti et al., Phys.Lett.B110:167 (1982)]
6 DoF, $\chi^2 = 6.31$ 6.27

BEBC,7 [Parker et al., Nucl.Phys.B232:1 (1984)]
1 DoF, $\chi^2 = 0.218$ 0.214

BNL_7FT,1 [Fanourakis et al., Phys.Rev.D21:562 (1980)]
1 DoF, $\chi^2 = 1.96$ 1.97

CCFR,3 [Seligman et al., Nevis Report 292 (1996)]
12 DoF, $\chi^2 = 4.93$ 4.93

CHARM,1 [Jonker et al., Phys.Lett.B99:265 (1981)]
1 DoF, $\chi^2 = 2.53$ 2.56

CHARM,5 [Allaby et al., Zeit.Phys.C38:403 (1988)]
1 DoF, $\chi^2 = 0.0157$ 0.0136

FNAL_15FT,4 [Taylor et al., Phys.Rev.Lett.51:739 (1983)]
5 DoF, $\chi^2 = 2.32$ 2.32

FNAL_15FT,5 [Asratyan et al., Phys.Lett.B137:122 (1984)]
7 DoF, $\chi^2 = 2.03$ 2.05

Gargamelle,1 [Eichten et al., Phys.Lett.B46:274 (1973)]
1 DoF, $\chi^2 = 7.41$ 7.5

Gargamelle,11 [Erriquez et al., Phys.Lett.B80:309 (1979)]
1 DoF, $\chi^2 = 4.09$ 4.13

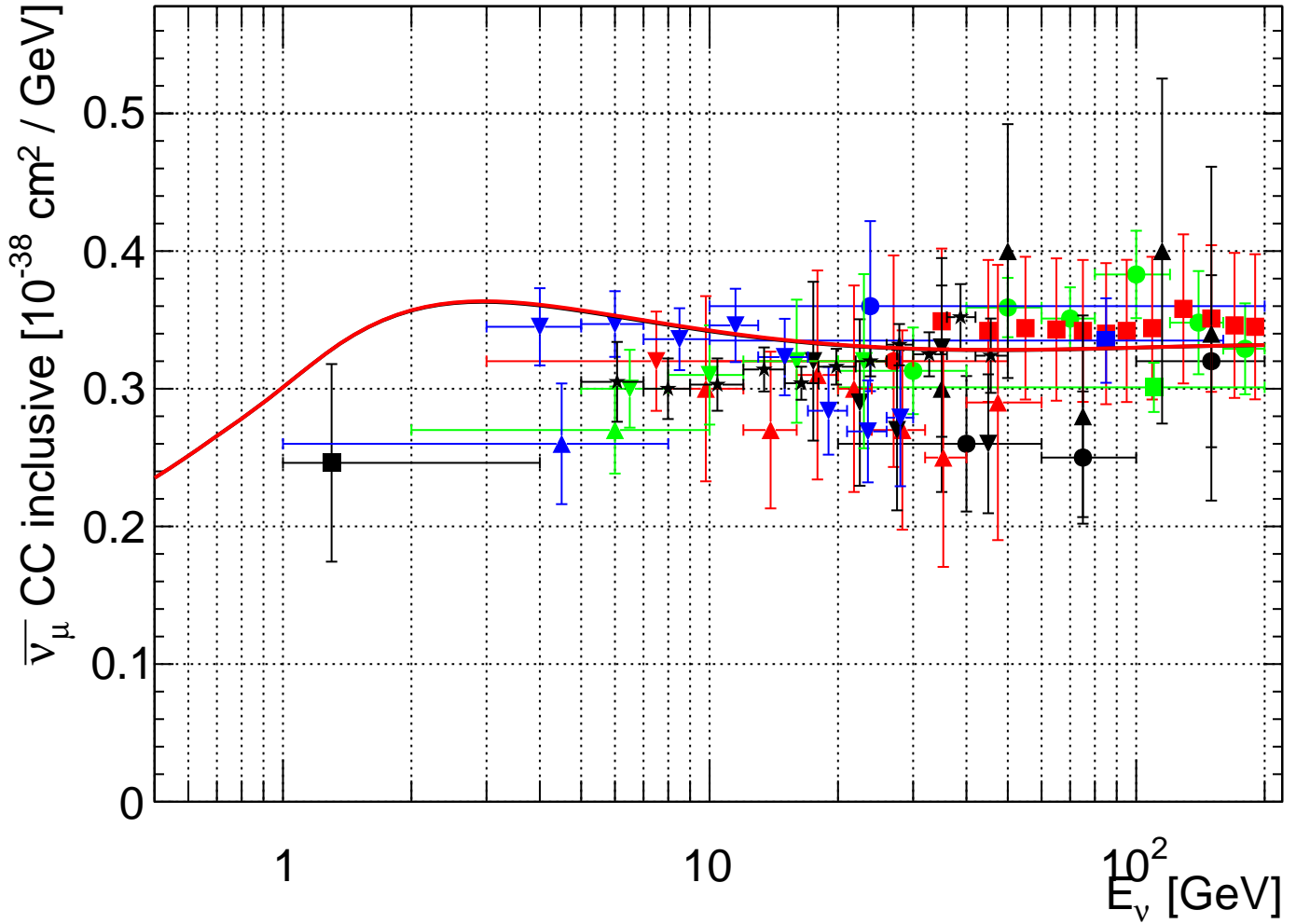
Gargamelle,13 [Morfin et al., Phys.Lett.B104:235 (1981)]
5 DoF, $\chi^2 = 3.87$ 3.87

IHEP_IJEP,1 [Asratyan et al., Phys.Lett.B76:239 (1978)]
1 DoF, $\chi^2 = 0.448$ 0.468

IHEP_IJEP,3 [Vovenko et al., Sov.J.Nucl.Phys.30:528 (1979)]
4 DoF, $\chi^2 = 4.22$ 4.34

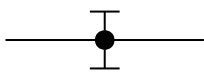
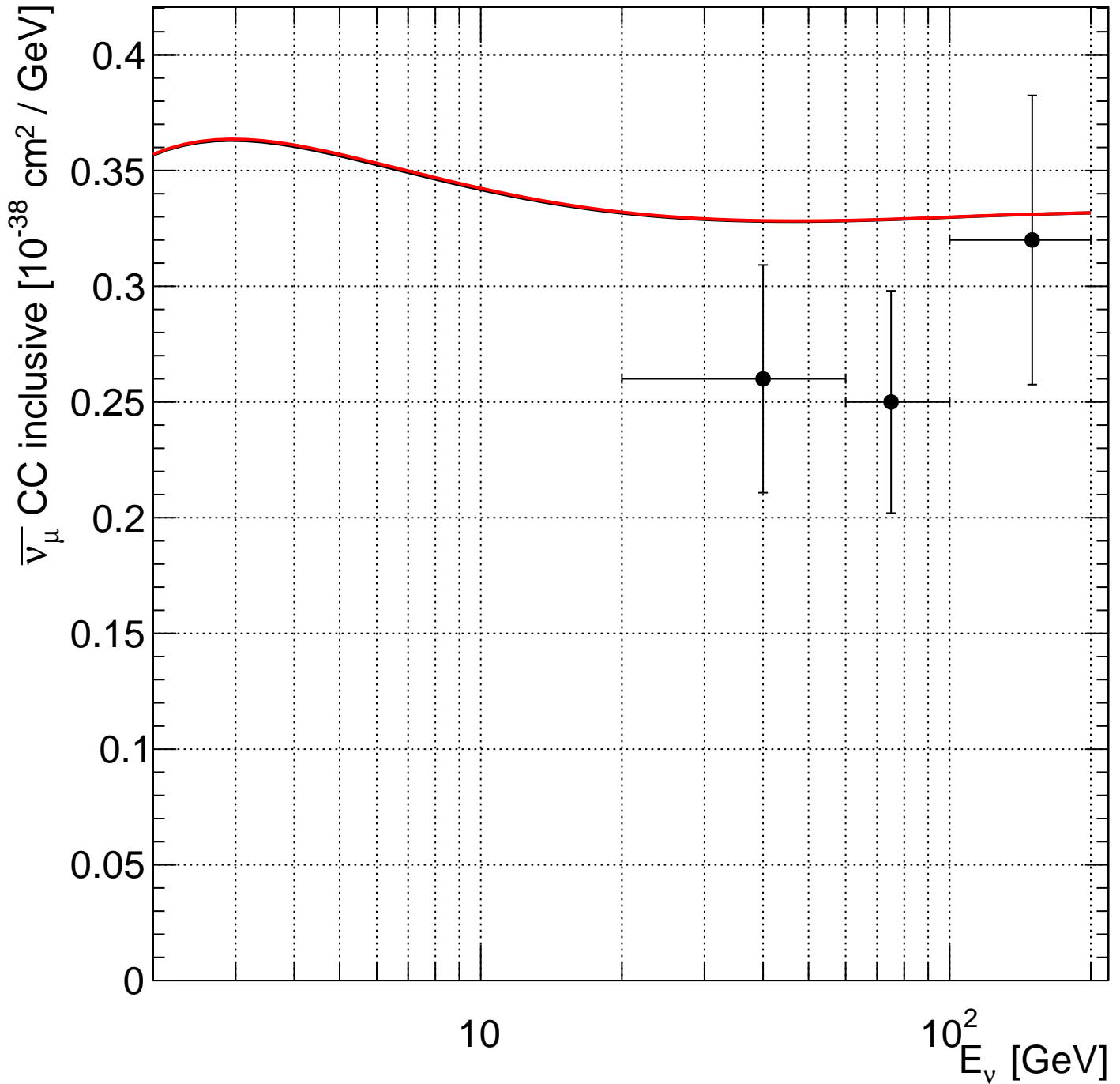
IHEP_JINR,1 [Anikeev et al., Zeit.Phys.C70:39 (1996)]
8 DoF, $\chi^2 = 6.89$ 7.05

MINOS,1 [Adamson et al., Phys.Rev.D81:072002 (2010)]
11 DoF, $\chi^2 = 22.7$ 23.5



- | | | | |
|--|---|--|---|
| | BEBC.1 [Bosetti et al., Phys.Lett.B70:273 (1977)] | | BEBC.3 [Colley et al., Zeit.Phys.C2:187 (1979)] |
| | BEBC.6 [Bosetti et al., Phys.Lett.B110:167 (1982)] | | BEBC.7 [Parker et al., Nucl.Phys.B232:1 (1984)] |
| | BNL_7FT.1 [Fanourakis et al., Phys.Rev.D21:562 (1980)] | | CCFR.3 [Seligman et al., Nevis Report 292 (1996)] |
| | CHARM.1 [Jonker et al., Phys.Lett.B99:265 (1981)] | | CHARM.5 [Allaby et al., Zeit.Phys.C38:403 (1988)] |
| | FNAL_15FT.4 [Taylor et al., Phys.Rev.Lett.51:739 (1983)] | | FNAL_15FT.5 [Asratyan et al., Phys.Lett.B137:122 (1984)] |
| | Gargamelle.1 [Eichten et al., Phys.Lett.B46:274 (1973)] | | Gargamelle.11 [Enriquez et al., Phys.Lett.B80:309 (1979)] |
| | Gargamelle.13 [Morfin et al., Phys.Lett.B104:235 (1981)] | | IHEP_ITEP.1 [Asratyan et al., Phys.Lett.B76:239 (1978)] |
| | IHEP_ITEP.3 [Vovenko et al., Sov.J.Nucl.Phys.30:528 (1979)] | | IHEP_JINR.1 [Anikeev et al., Zeit.Phys.C70:39 (1996)] |
| | MINOS.1 [Adamson et al., Phys.Rev.D81:072002 (2010)] | | |

master:G18_02a_00_000:numu_freenuc
 RESFix:G18_02a_00_000:numu_freenuc



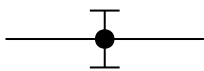
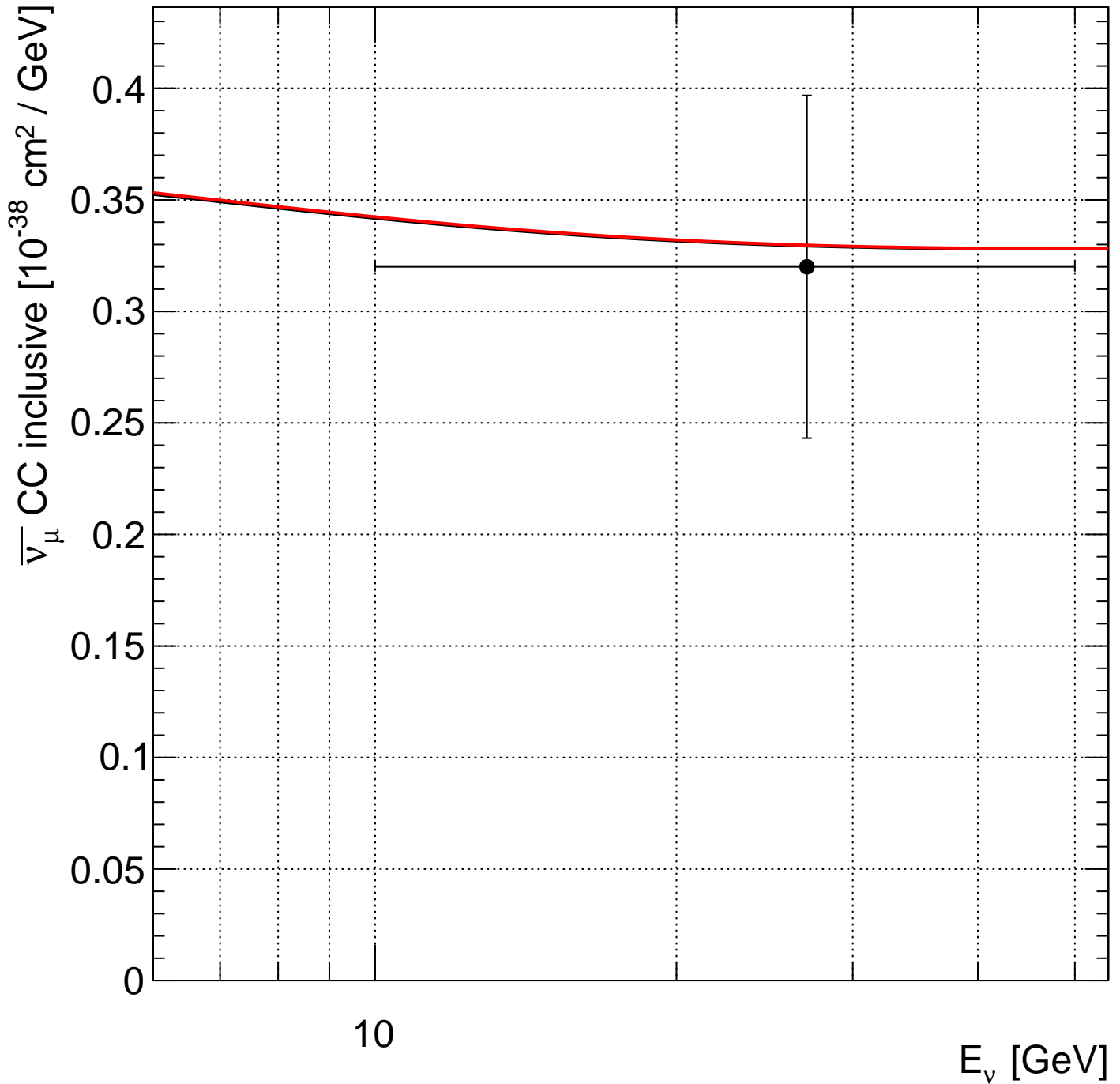
BEBC,1 [Bosetti et al., Phys.Lett.B70:273 (1977)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 4.62/3$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 4.64/3$ DoF



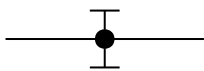
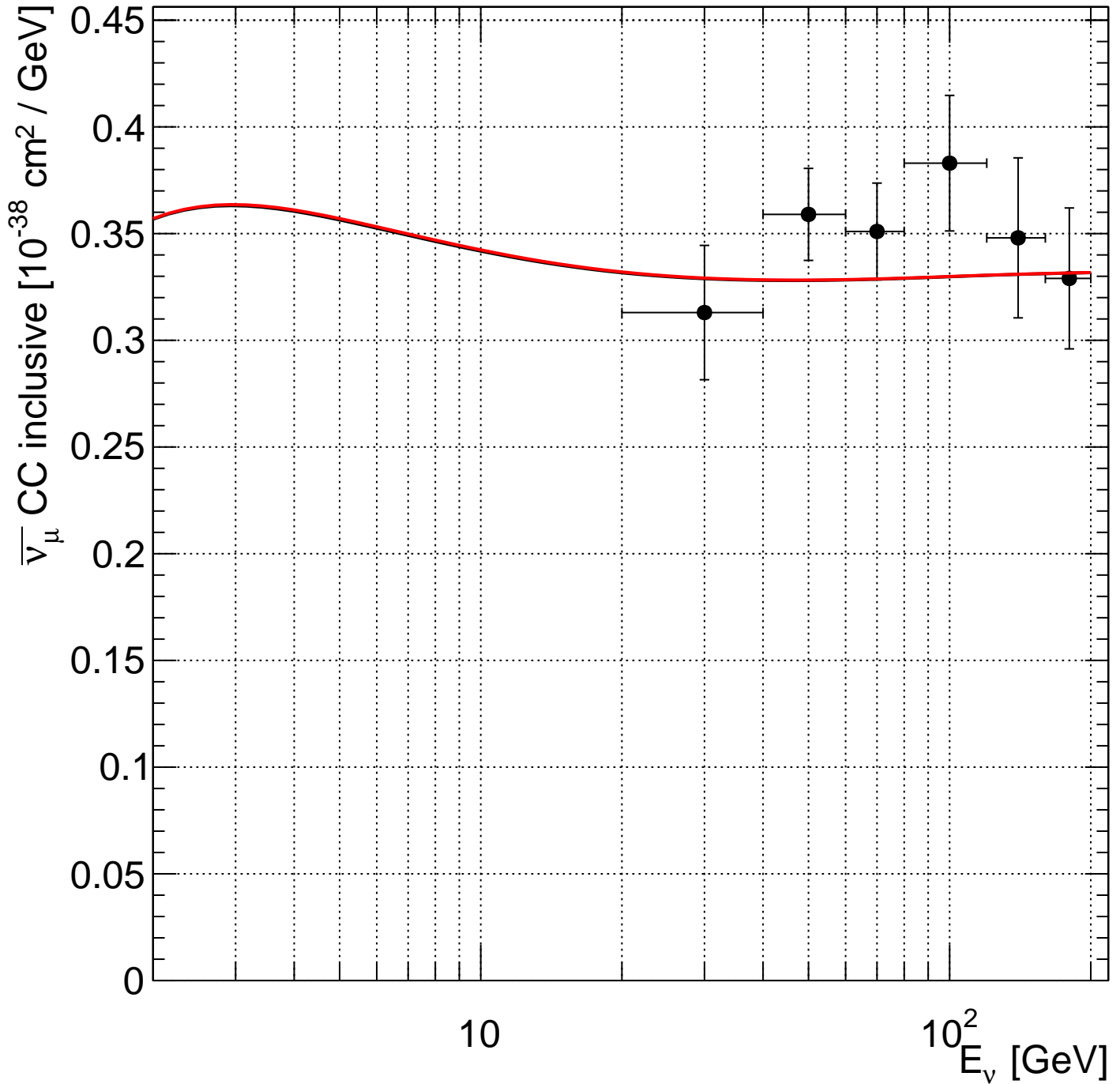
BEBC,3 [Colley et al., Zeit.Phys.C2:187 (1979)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 0.0261/1$ DoF



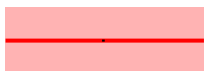
RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 0.0278/1$ DoF



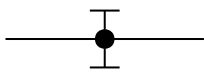
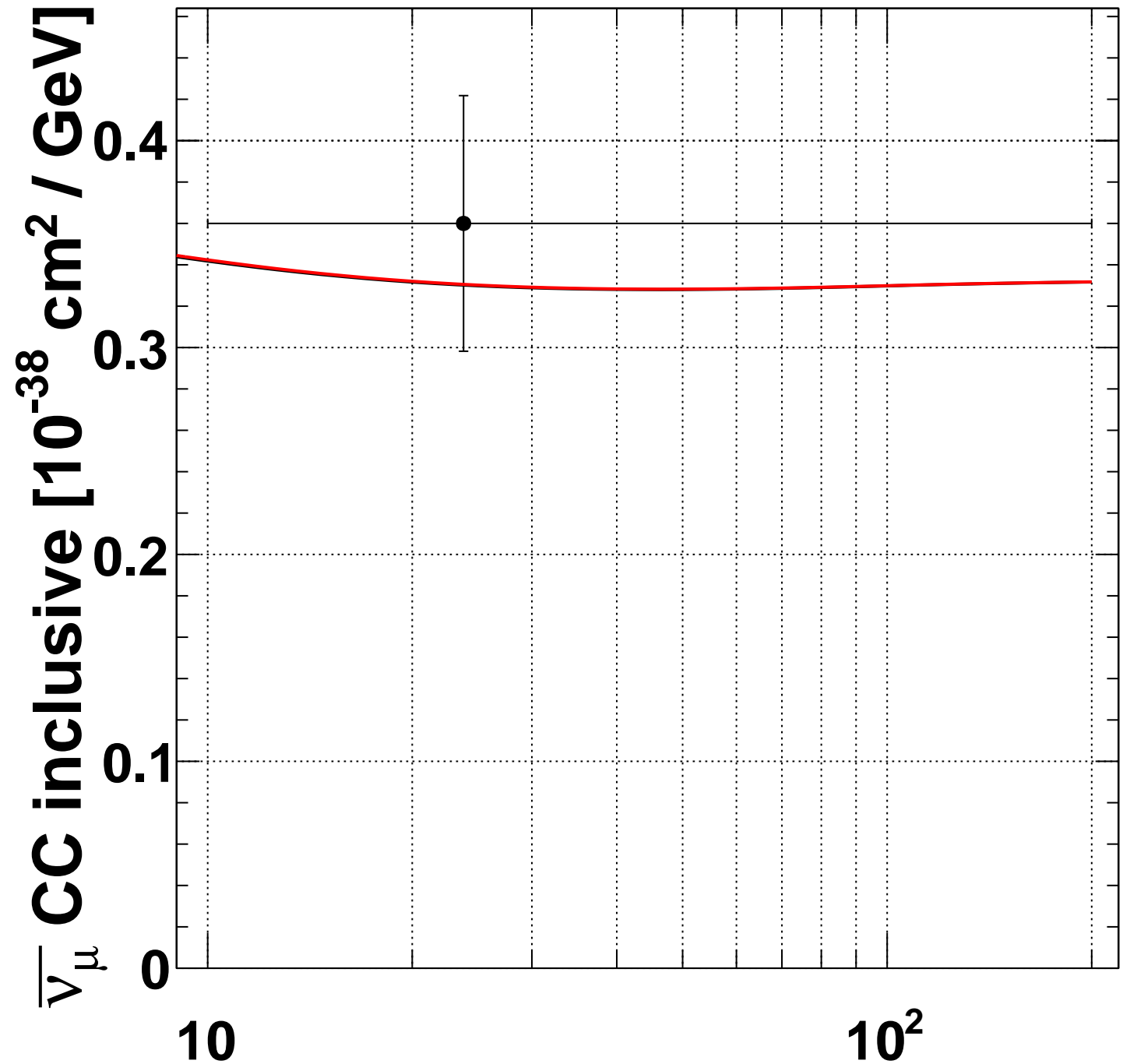
BEBC,6 [Bosetti et al., Phys.Lett.B110:167 (1982)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 6.31/6$ DoF



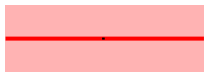
RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 6.27/6$ DoF



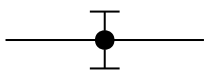
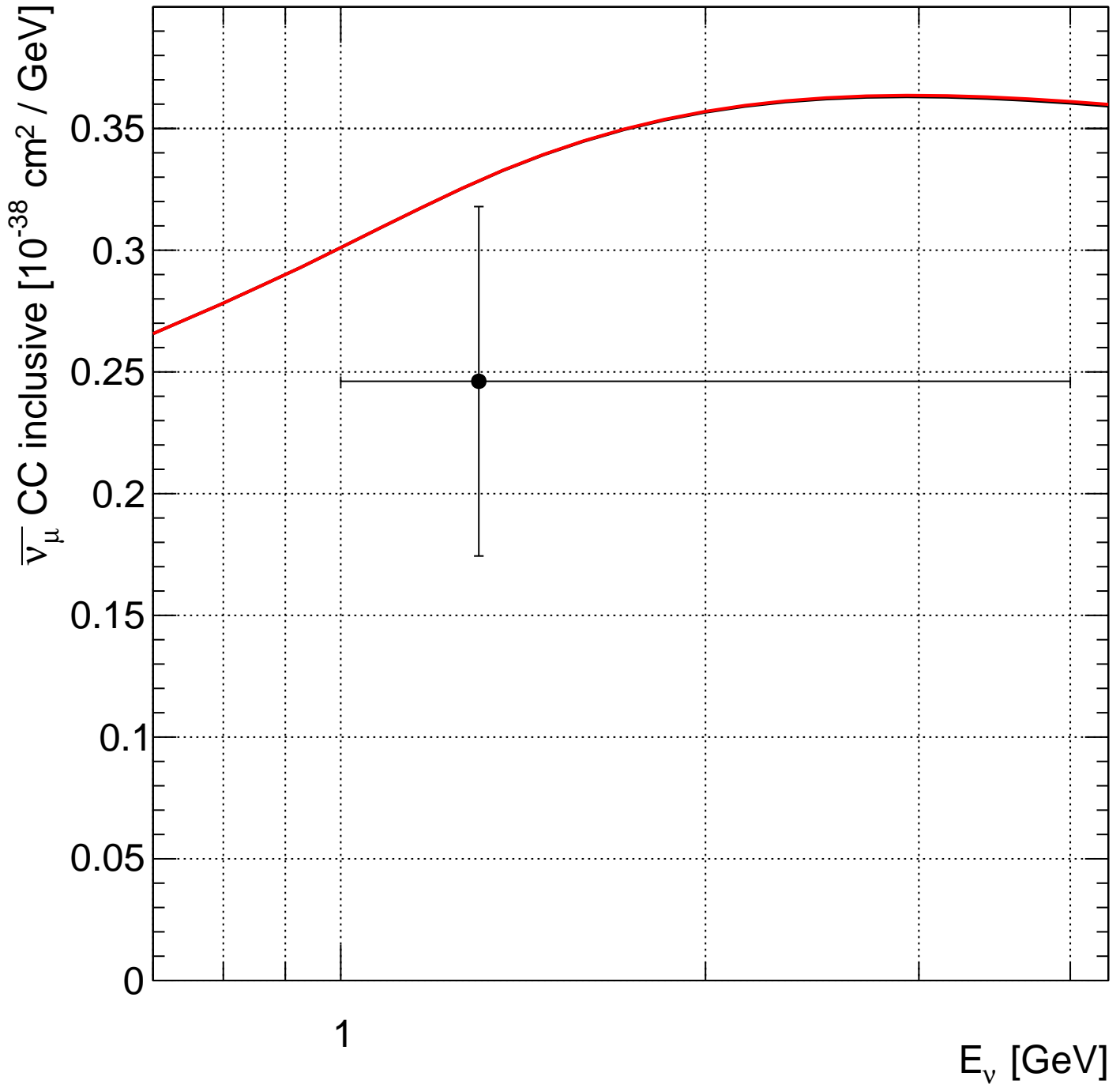
BEBC,7 [Parker et al., Nucl.Phys.B232:1 (1984)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 0.218/1$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 0.214/1$ DoF



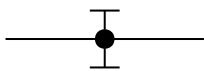
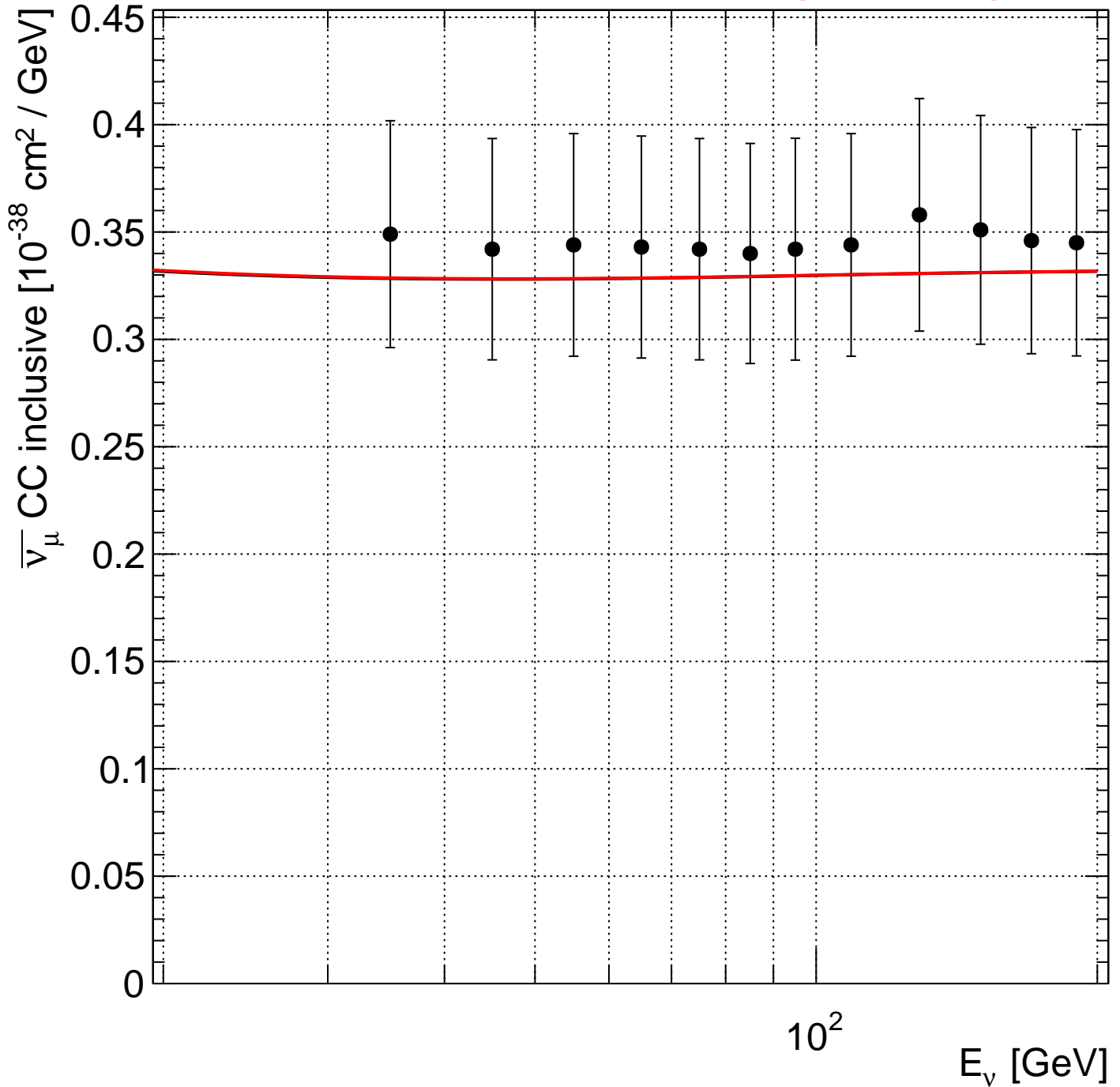
BNL_7FT,1 [Fanourakis et al., Phys.Rev.D21:562 (1980)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 1.96/1$ DoF



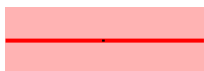
RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 1.97/1$ DoF



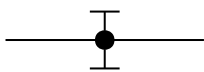
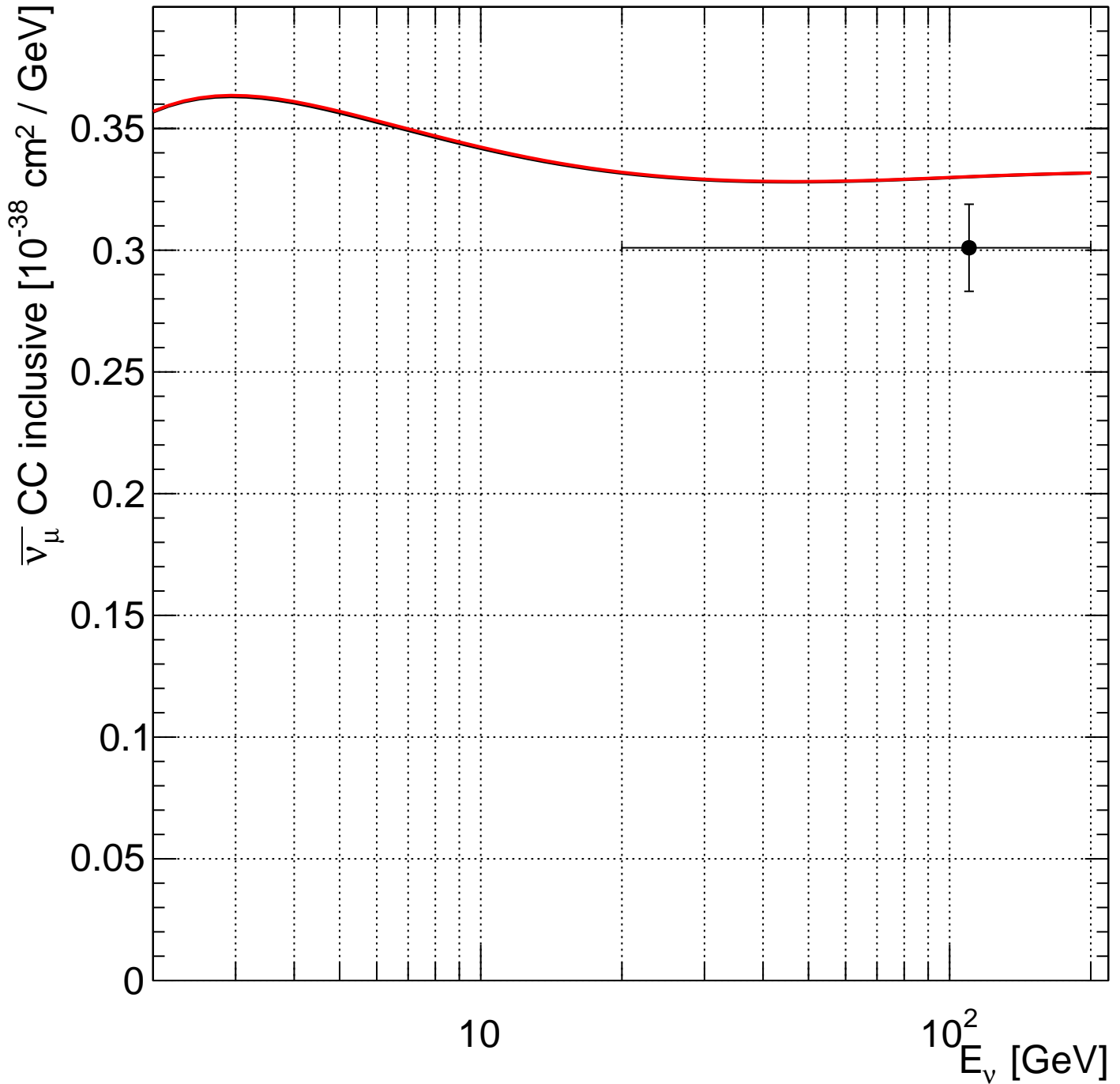
CCFR,3 [Seligman et al., Nevis Report 292 (1996)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 4.93/12$ DoF



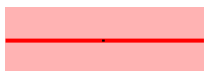
RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 4.93/12$ DoF



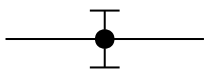
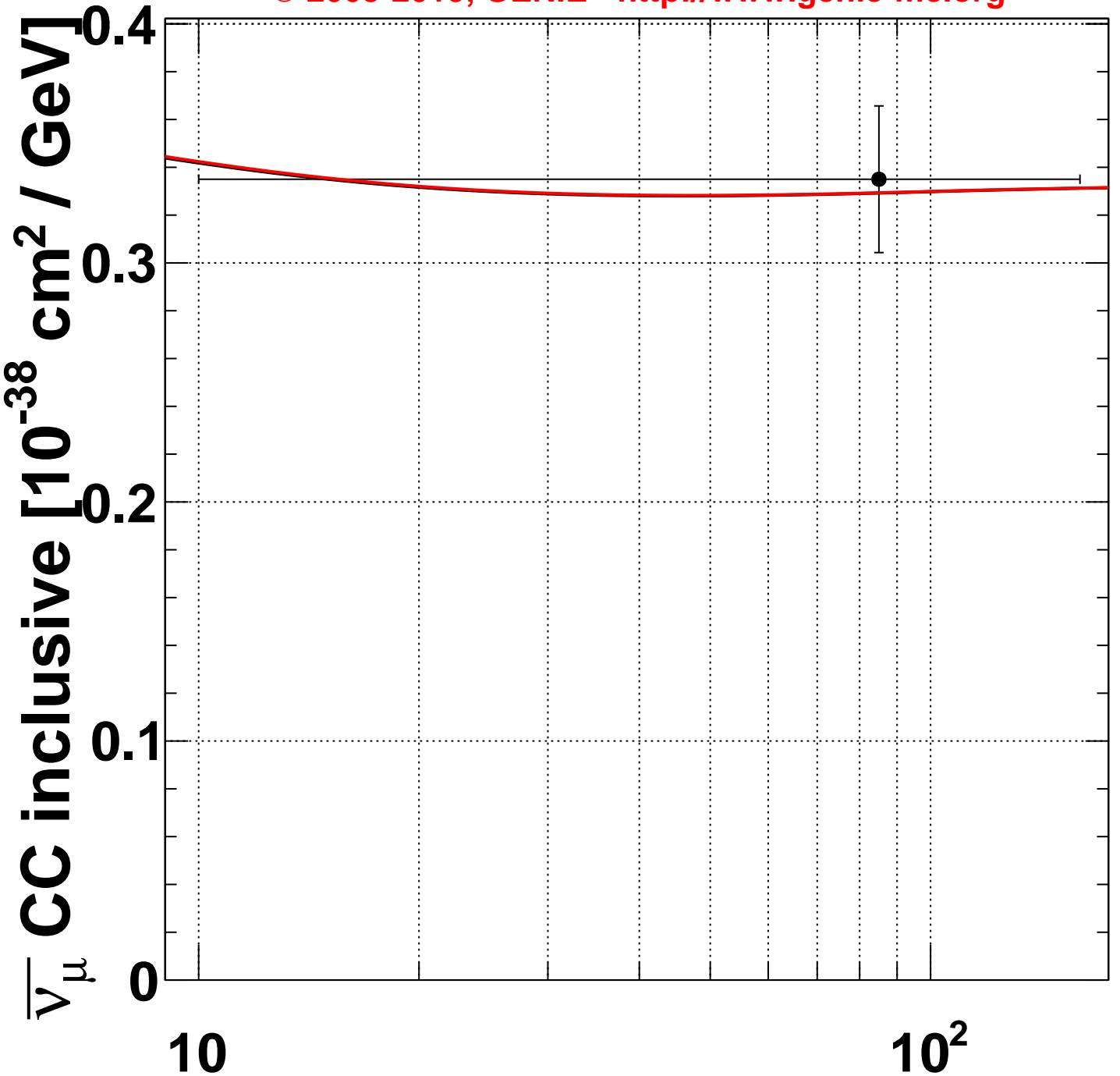
CHARM,1 [Jonker et al., Phys.Lett.B99:265 (1981)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 2.53/1$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 2.56/1$ DoF



CHARM,5 [Allaby et al., Zeit.Phys.C38:403 (1988)]

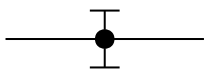
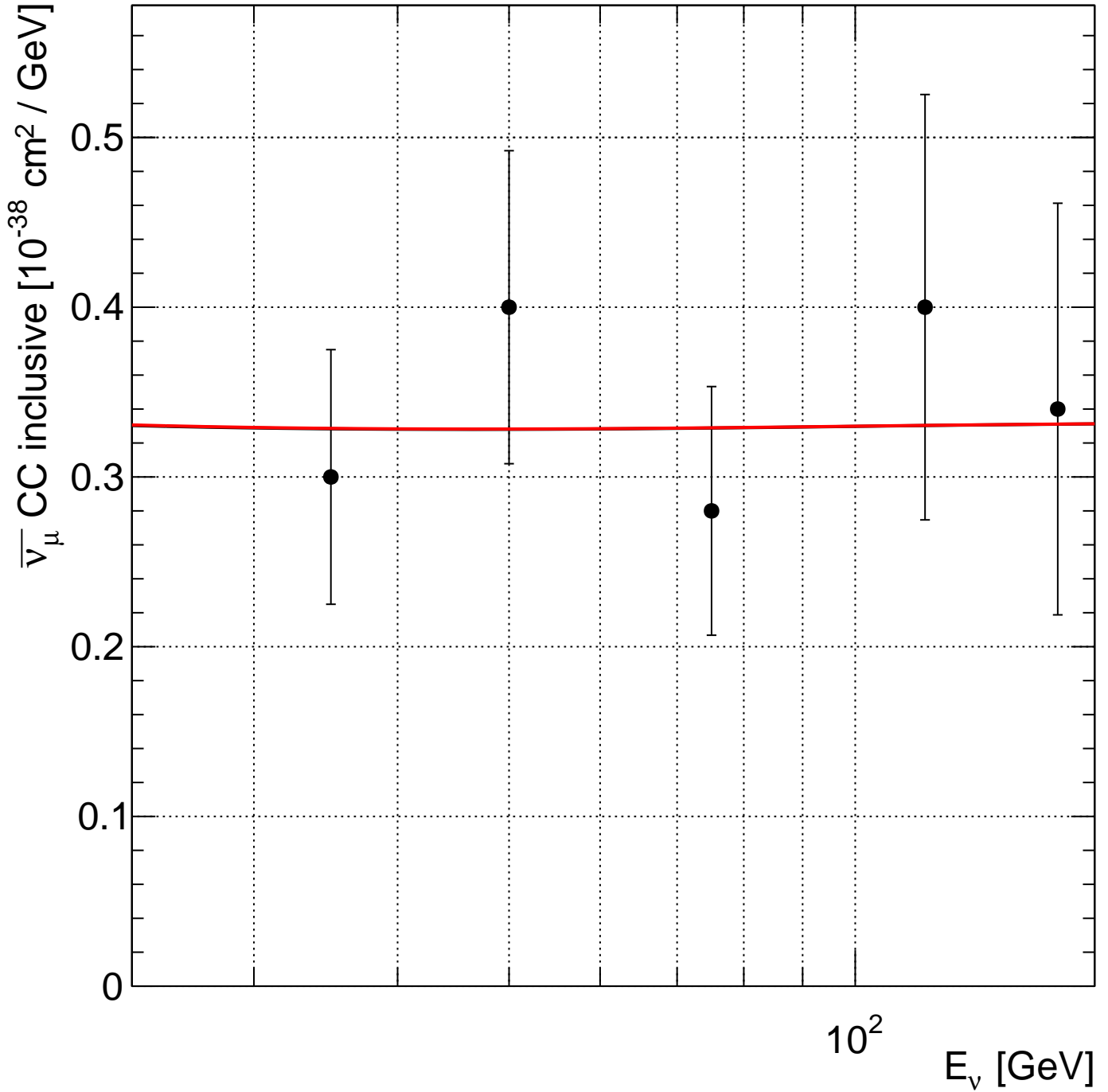


master:G18_02a_00_000:numu_freenuc $\chi^2 = 0.0157/1$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 0.0136/1$ DoF

[GeV]



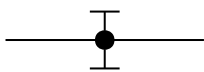
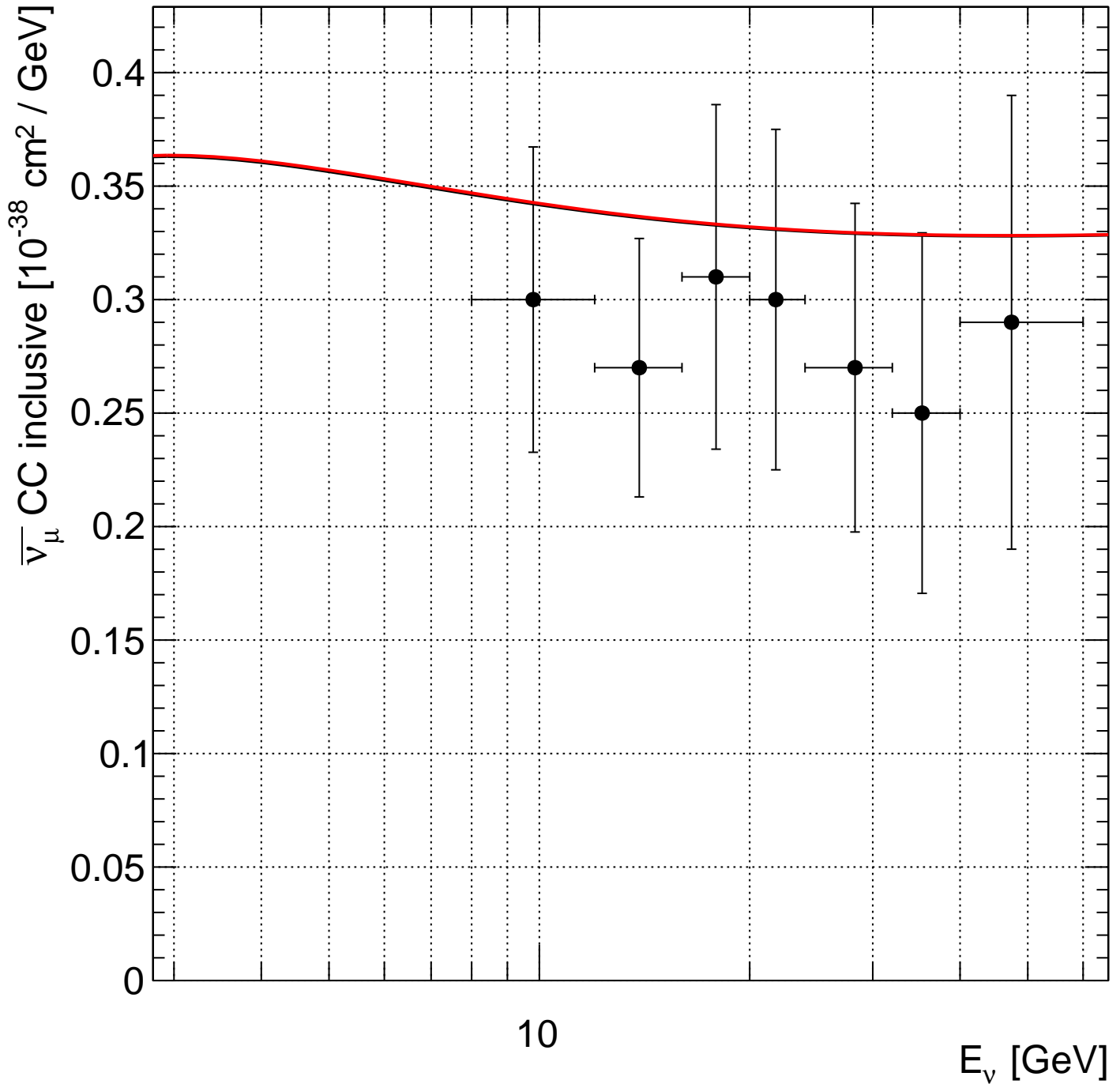
FNAL_15FT,4 [Taylor et al., Phys.Rev.Lett.51:739 (1983)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 2.32/5$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 2.32/5$ DoF



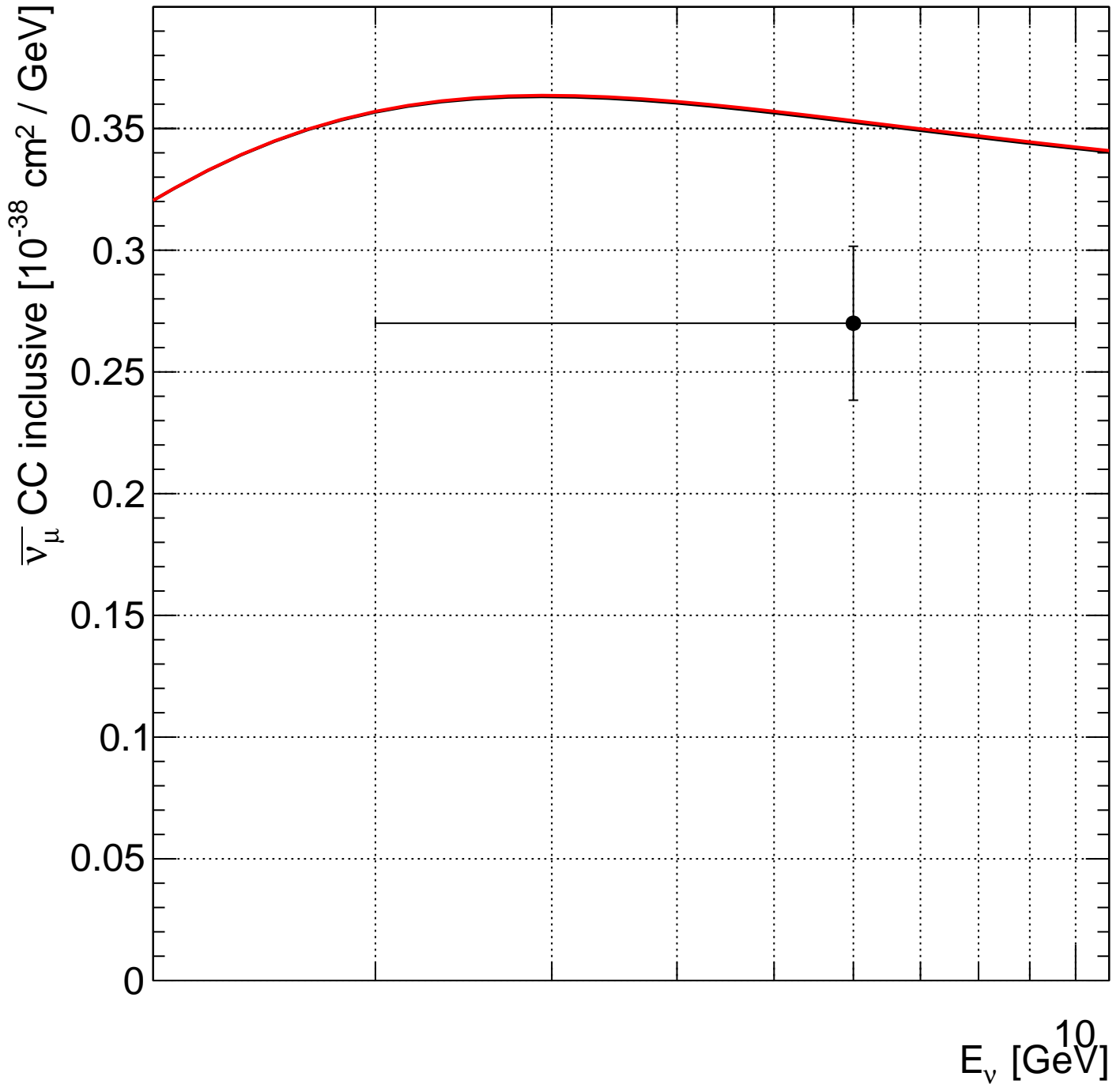
FNAL_15FT,5 [Asratyan et al., Phys.Lett.B137:122 (1984)]

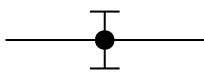
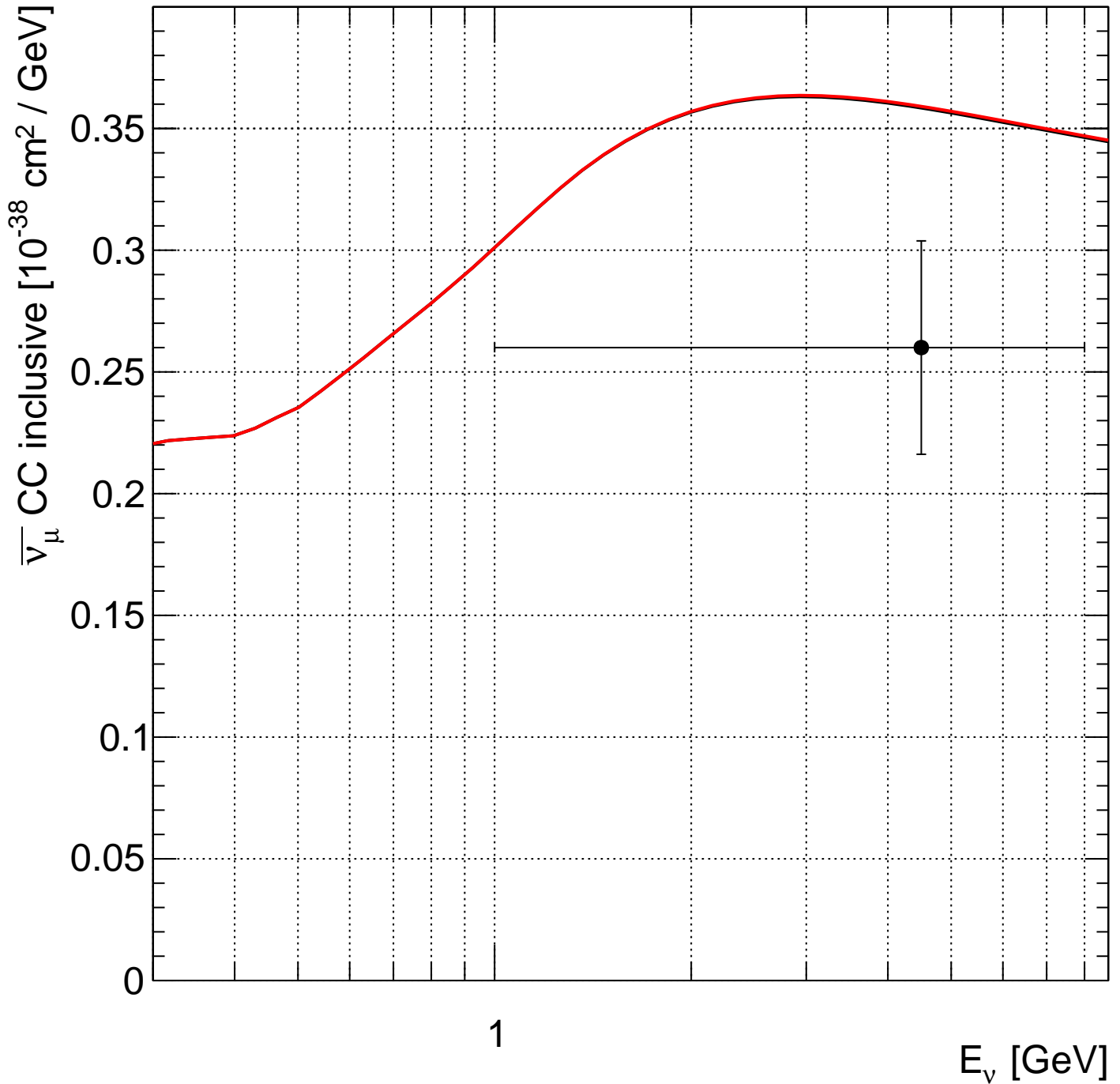


master:G18_02a_00_000:numu_freenuc $\chi^2 = 2.03/7$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 2.05/7$ DoF





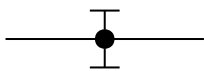
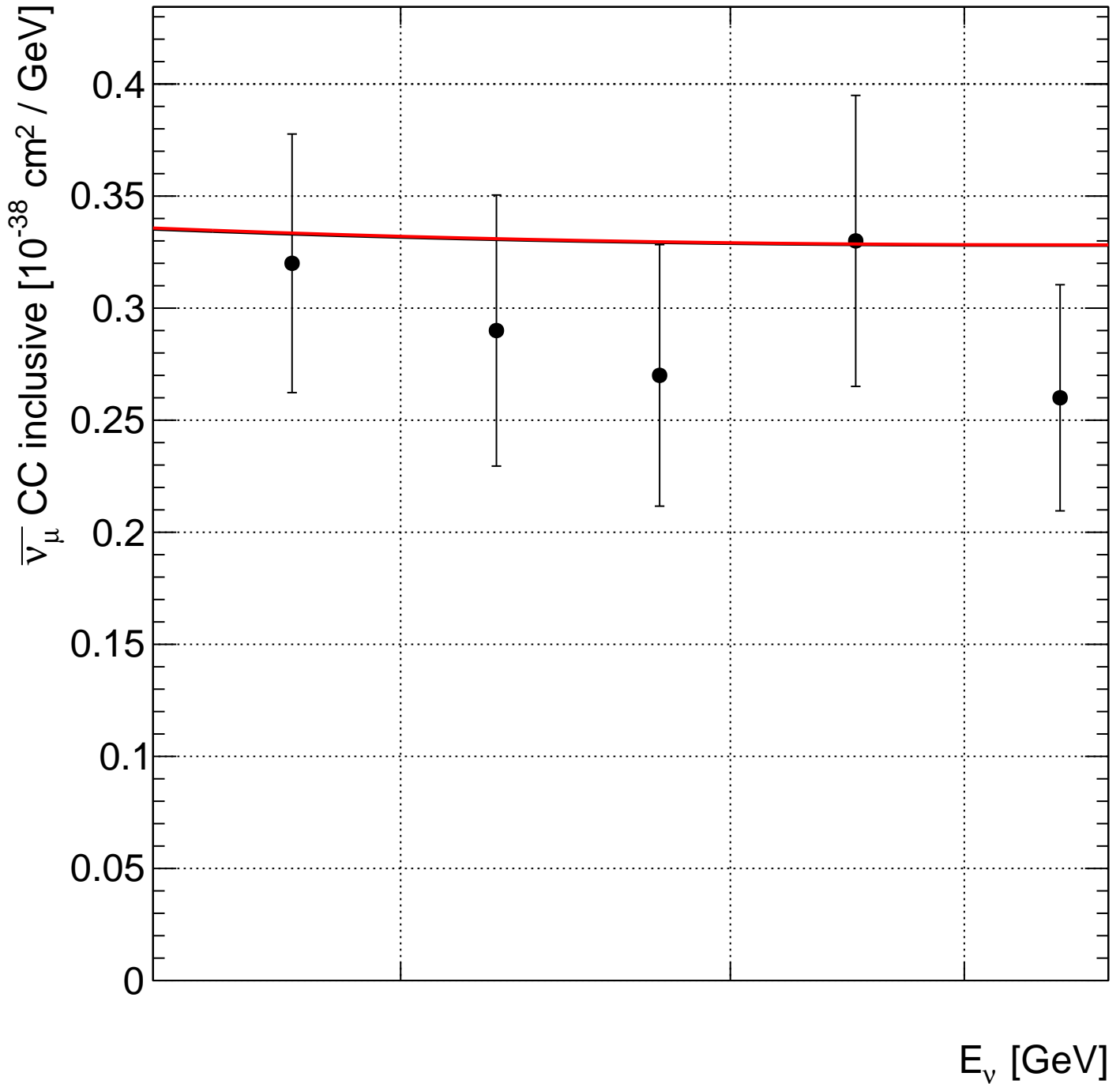
Gargamelle,11 [Erriquez et al., Phys.Lett.B80:309 (1979)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 4.09/1$ DoF



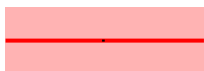
RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 4.13/1$ DoF



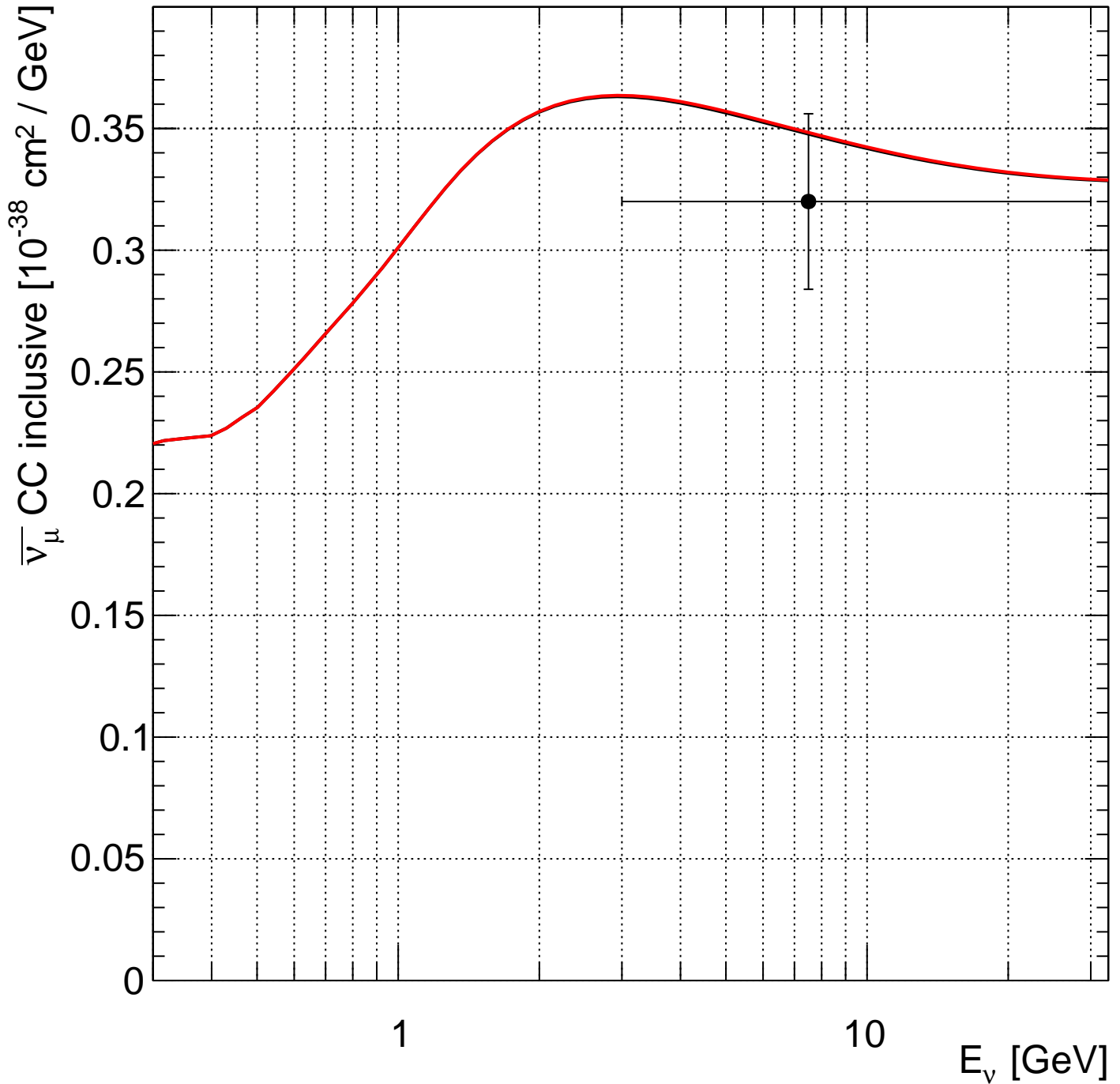
Gargamelle,13 [Morfin et al., Phys.Lett.B104:235 (1981)]

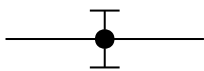
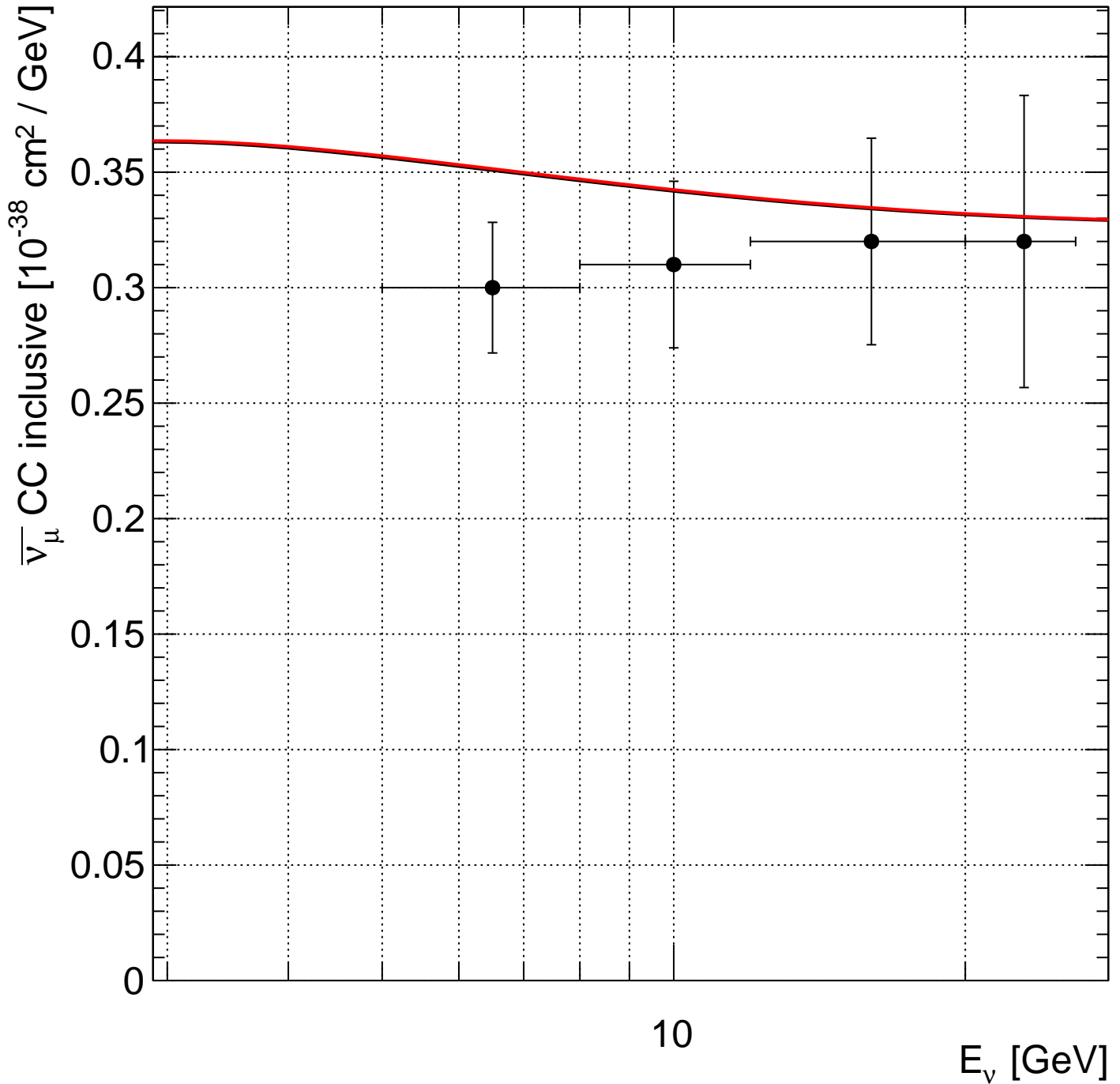


master:G18_02a_00_000:numu_freenuc $\chi^2 = 3.87/5$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 3.87/5$ DoF

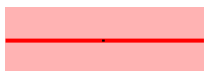




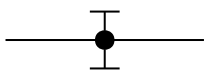
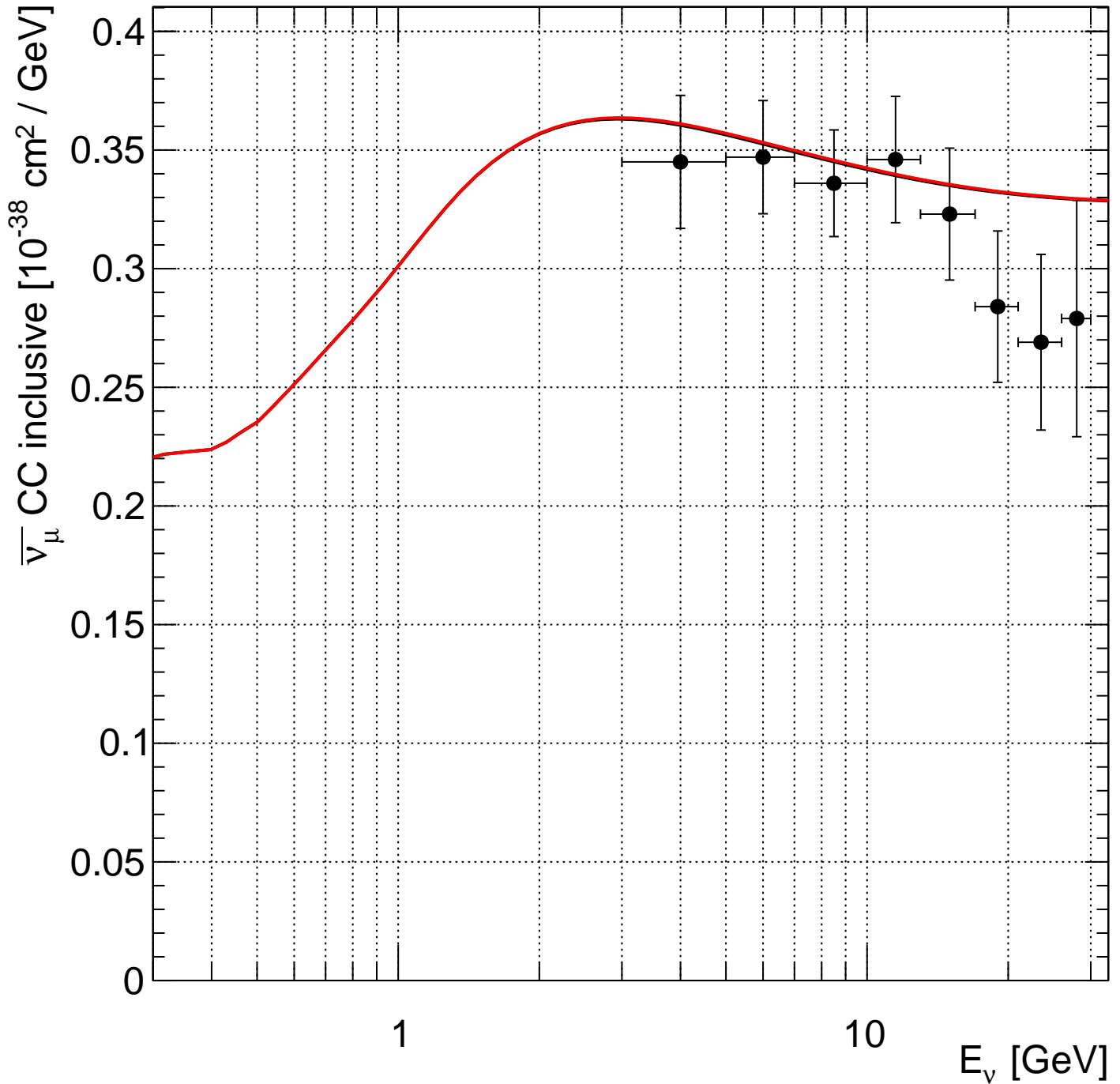
IHEP_ITEP,3 [Vovenko et al., Sov.J.Nucl.Phys.30:528 (1979)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 4.22/4$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 4.34/4$ DoF



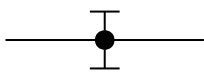
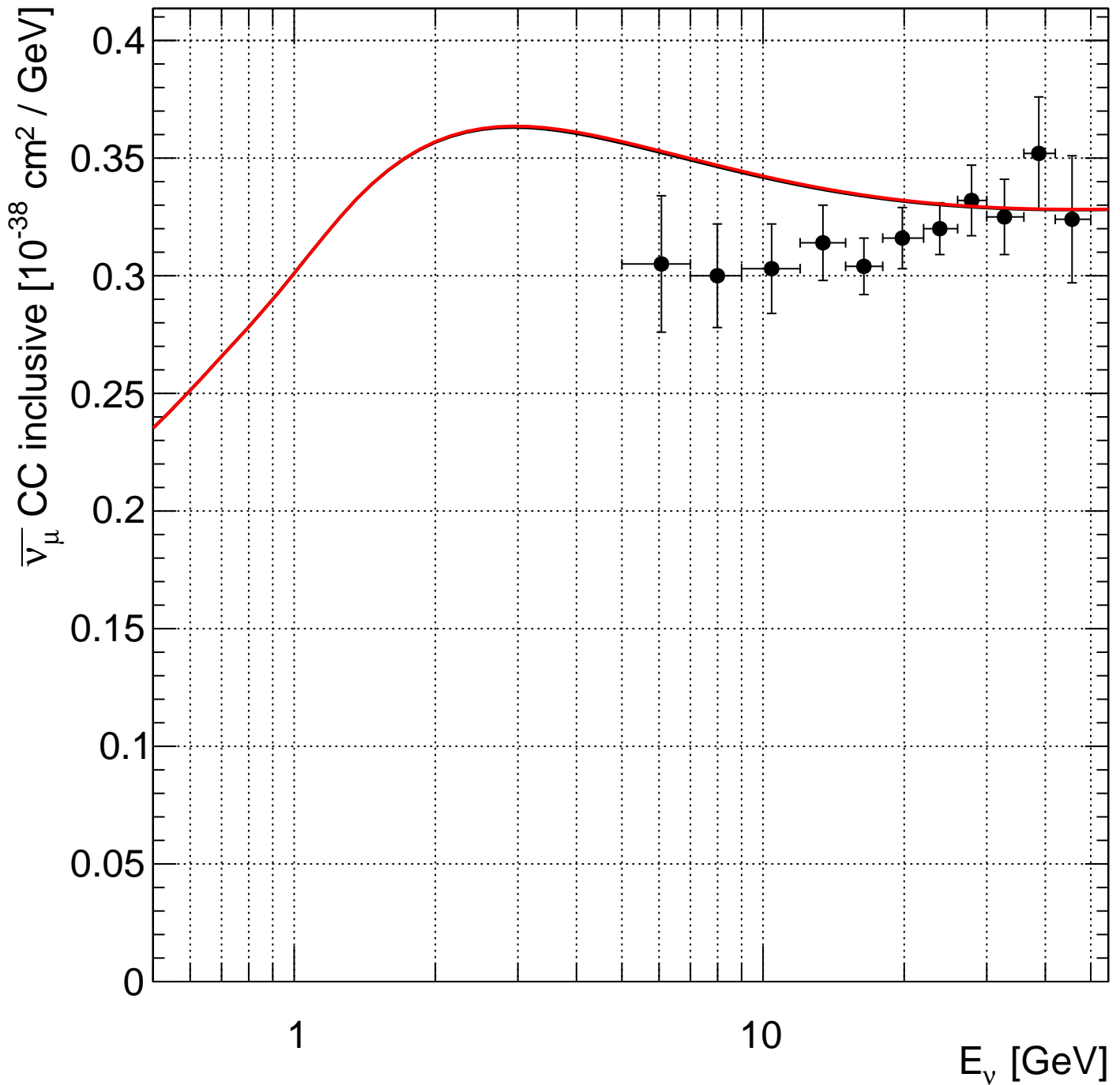
IHEP_JINR,1 [Anikeev et al., Zeit.Phys.C70:39 (1996)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 6.89/8$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 7.05/8$ DoF



MINOS,1 [Adamson et al., Phys.Rev.D81:072002 (2010)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 22.7/11$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 23.5/11$ DoF

Dataset:
numuCCQE_all

Models:
master/G18_02a_00_000 $\chi^2 = 70.7 / 70$ DoF
RESFix/G18_02a_00_000 $\chi^2 = 75.5 / 70$ DoF

Subsets:

ANL_12FT,1 [Mann et al., Phys.Rev.Lett.31:844 (1973)]
7 DoF, $\chi^2 = 5.83$ **5.82**

ANL_12FT,3 [Barish et al., Phys.Rev.D16:3103 (1977)]
8 DoF, $\chi^2 = 5.94$ **5.78**

BEBC,12 [Allasia et al., Nucl.Phys.B343:285 (1990)]
5 DoF, $\chi^2 = 7.56$ **7.6**

BNL_7FT,3 [Baker et al., Phys.Rev.D23:2499 (1981)]
4 DoF, $\chi^2 = 9.54$ **10.2**

FNAL_15FT,3 [Kitagaki et al., Phys.Rev.D28:436 (1983)]
2 DoF, $\chi^2 = 0.855$ **1.17**

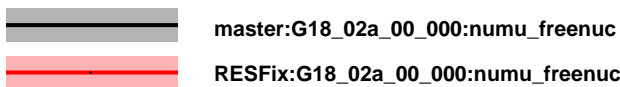
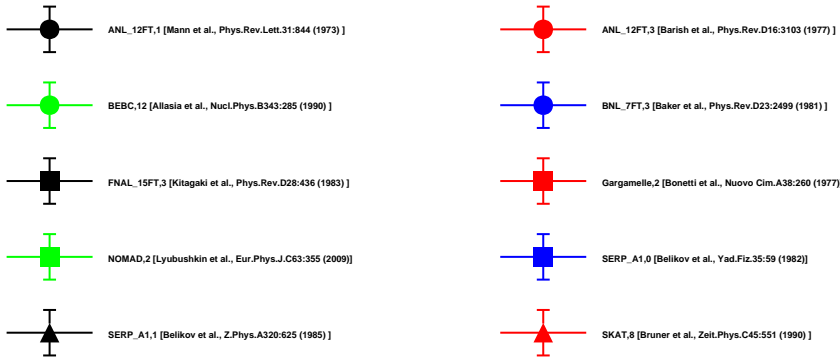
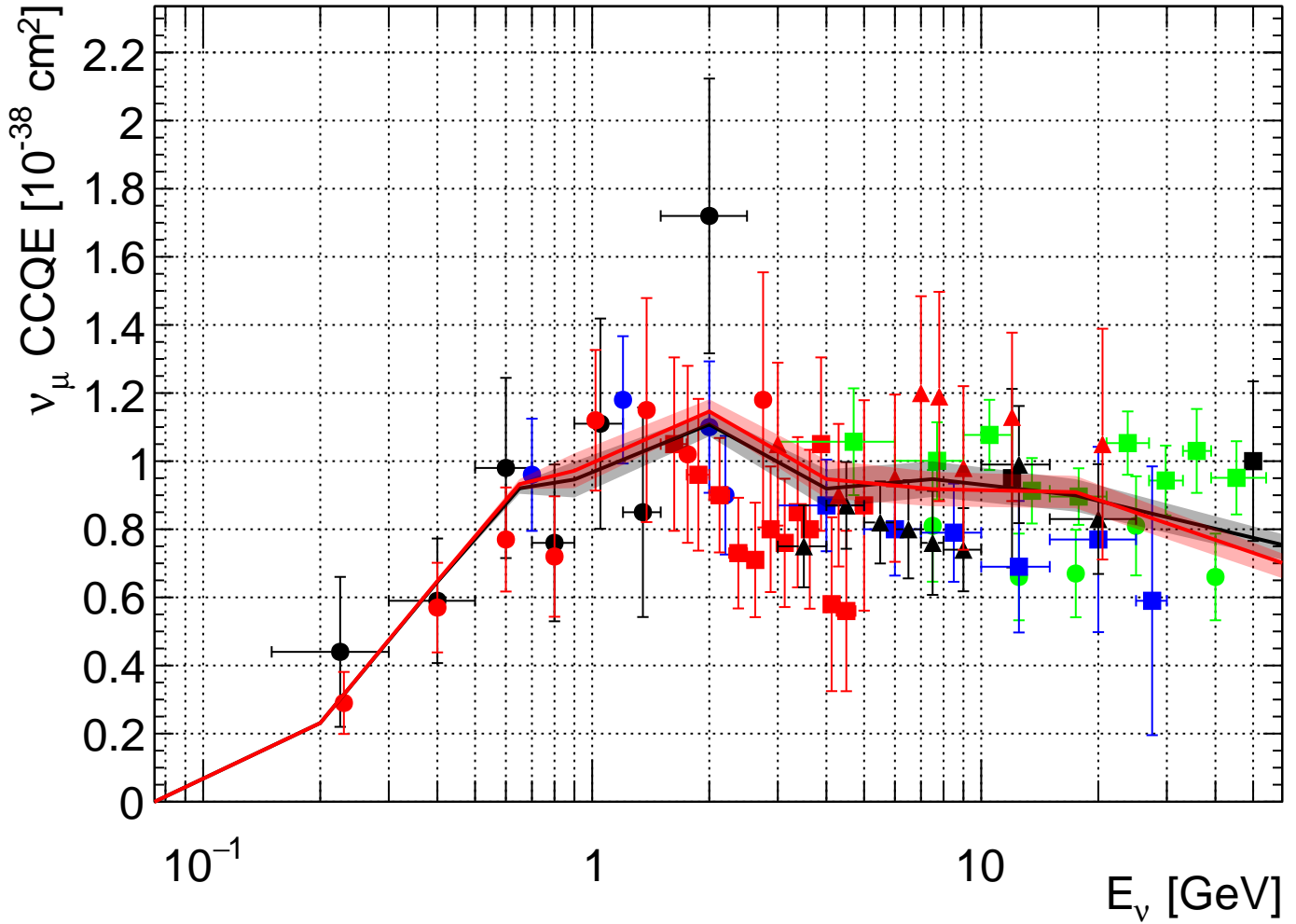
Gargamelle,2 [Bonetti et al., Nuovo Cim.A38:260 (1977)]
13 DoF, $\chi^2 = 13.6$ **15.2**

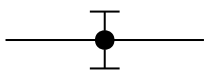
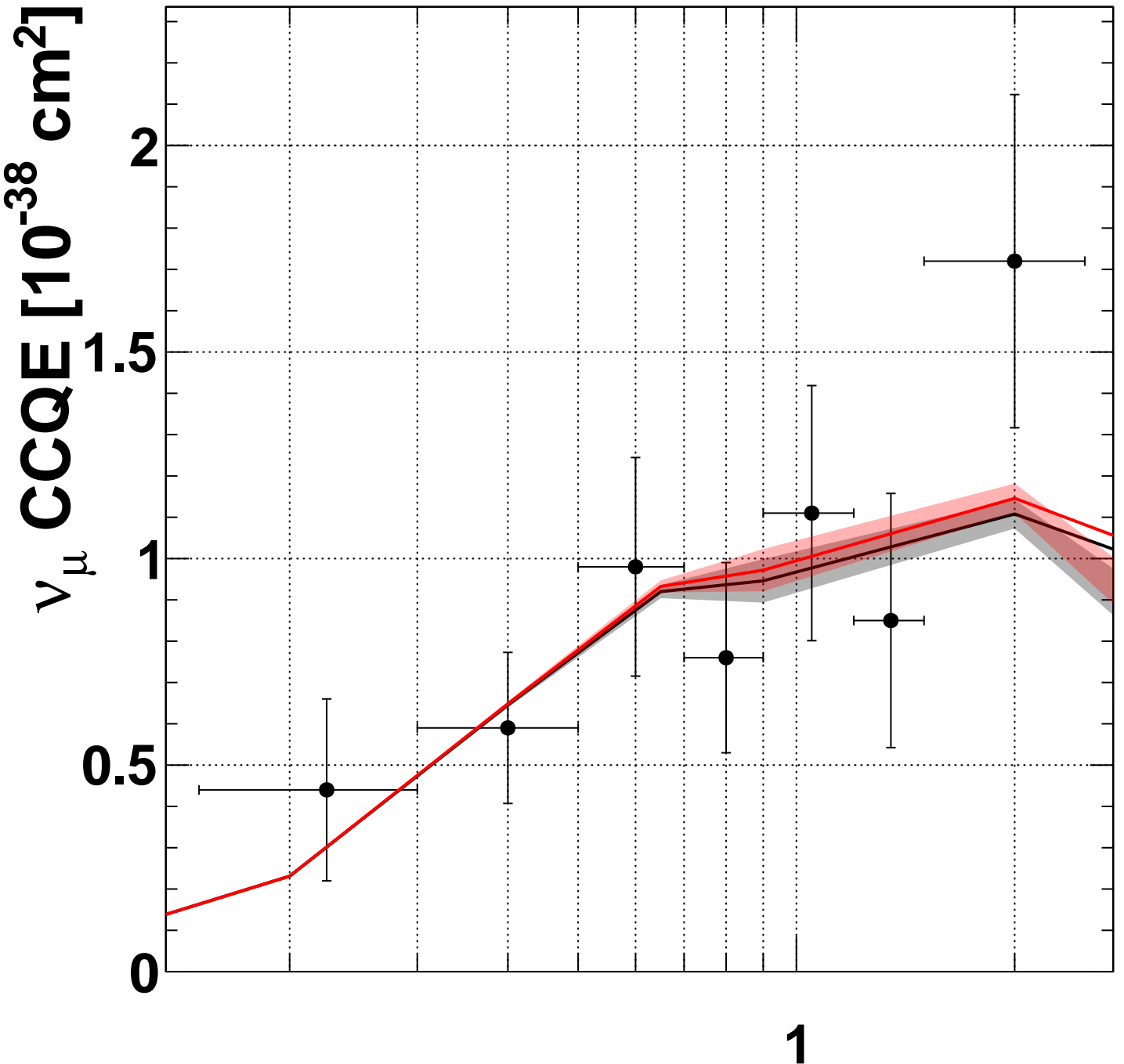
NOMAD,2 [Lyubushkin et al., Eur.Phys.J.C63:355 (2009)]
9 DoF, $\chi^2 = 11.3$ **13.2**

SERP_A1,0 [Belikov et al., Yad.Fiz.35:59 (1982)]
6 DoF, $\chi^2 = 4.32$ **3.97**

SERP_A1,1 [Belikov et al., Z.Phys.A320:625 (1985)]
8 DoF, $\chi^2 = 9.5$ **9.67**

SKAT,8 [Bruner et al., Zeit.Phys.C45:551 (1990)]
8 DoF, $\chi^2 = 2.18$ **2.83**

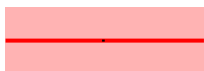




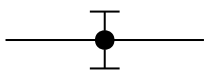
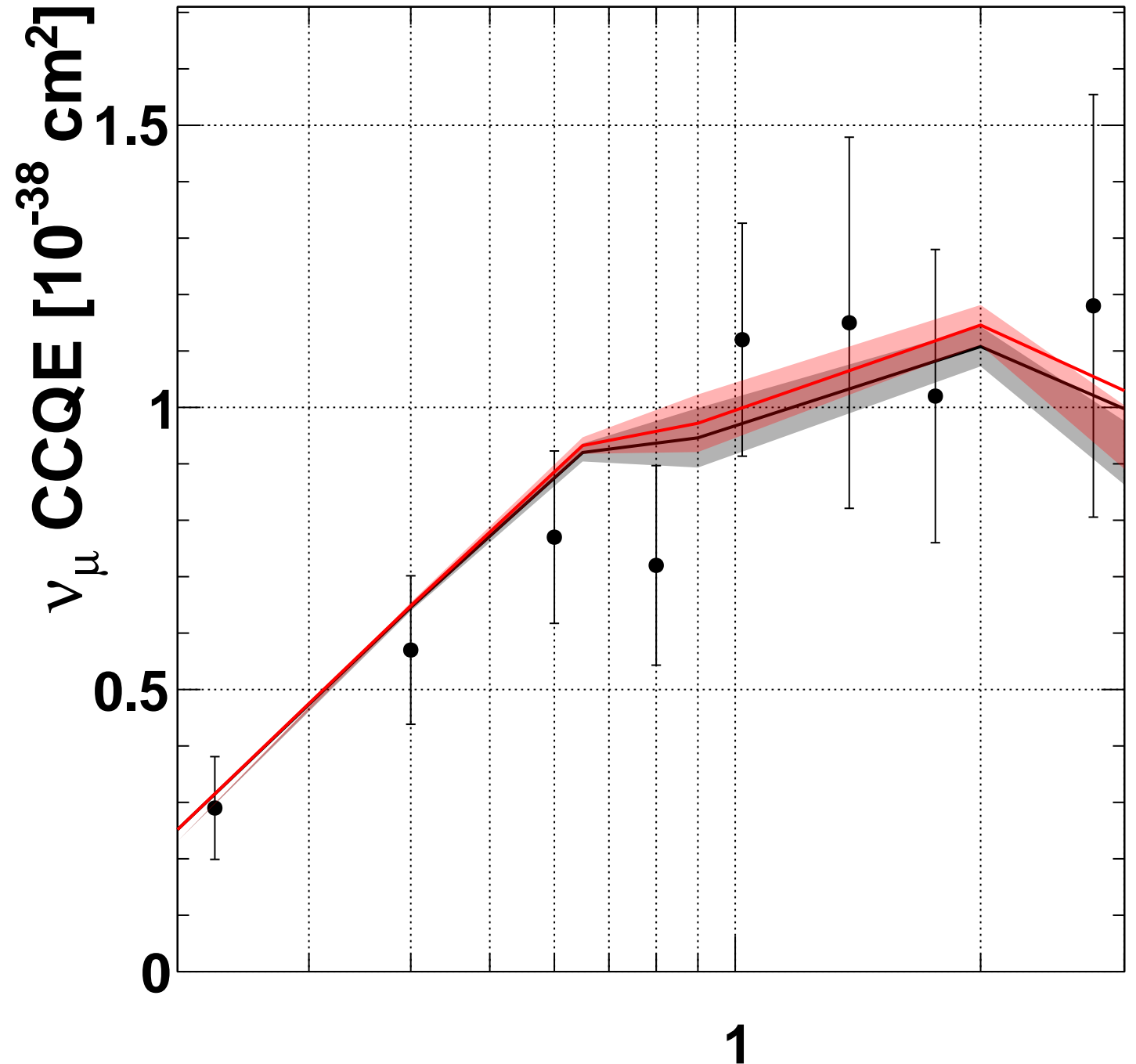
ANL_12FT,1 [Mann et al., Phys.Rev.Lett.31:844 (1973)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 5.83/7$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 5.82/7$ DoF



ANL_12FT,3 [Barish et al., Phys.Rev.D16:3103 (1977)]

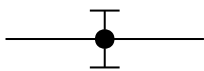
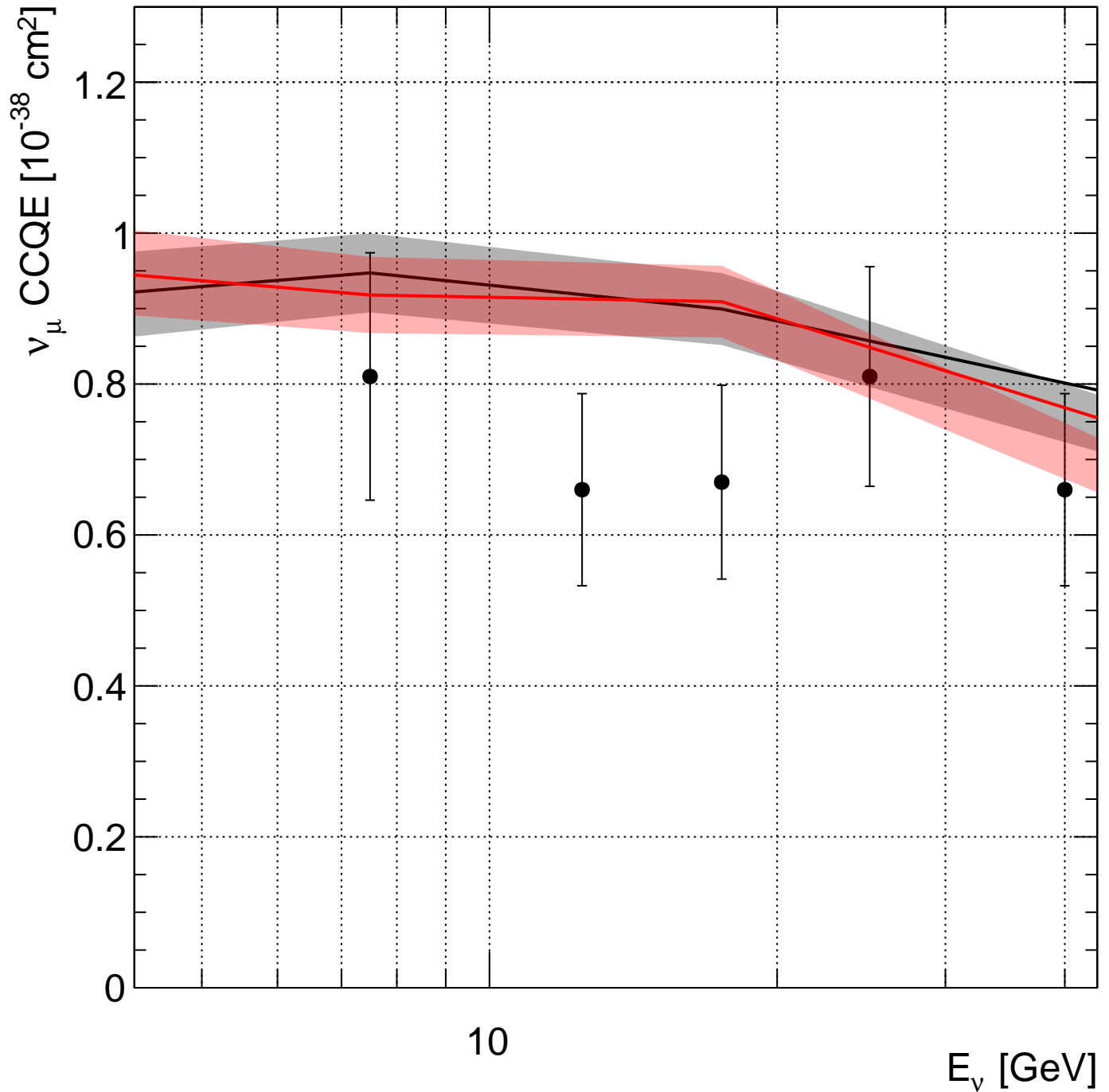


master:G18_02a_00_000:numu_freenuc $\chi^2 = 5.94/8$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 5.78/8$ DoF

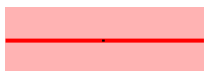
[GeV]



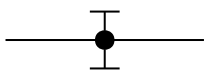
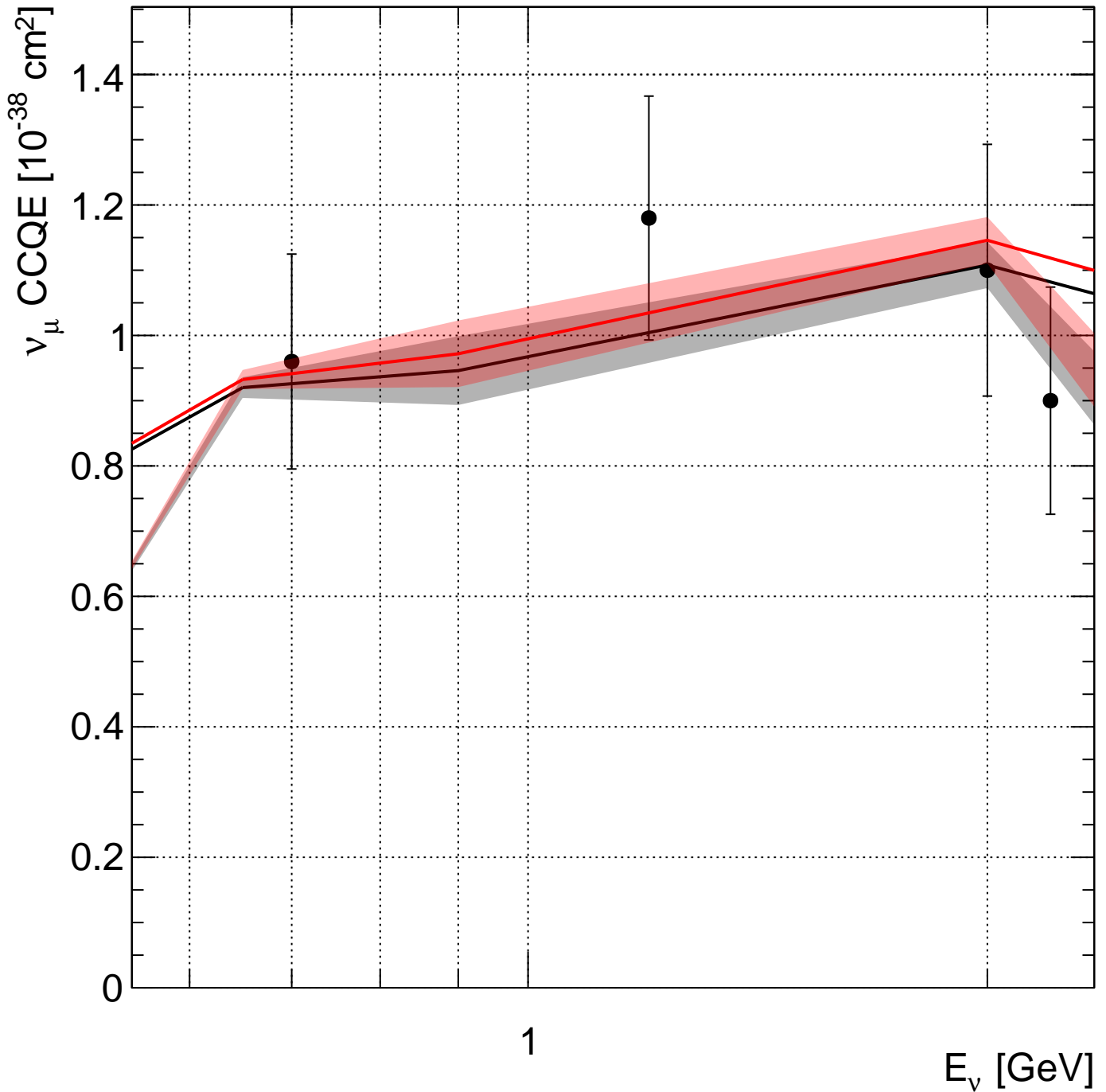
BEBC,12 [Allasia et al., Nucl.Phys.B343:285 (1990)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 7.56/5$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 7.6/5$ DoF



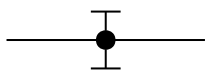
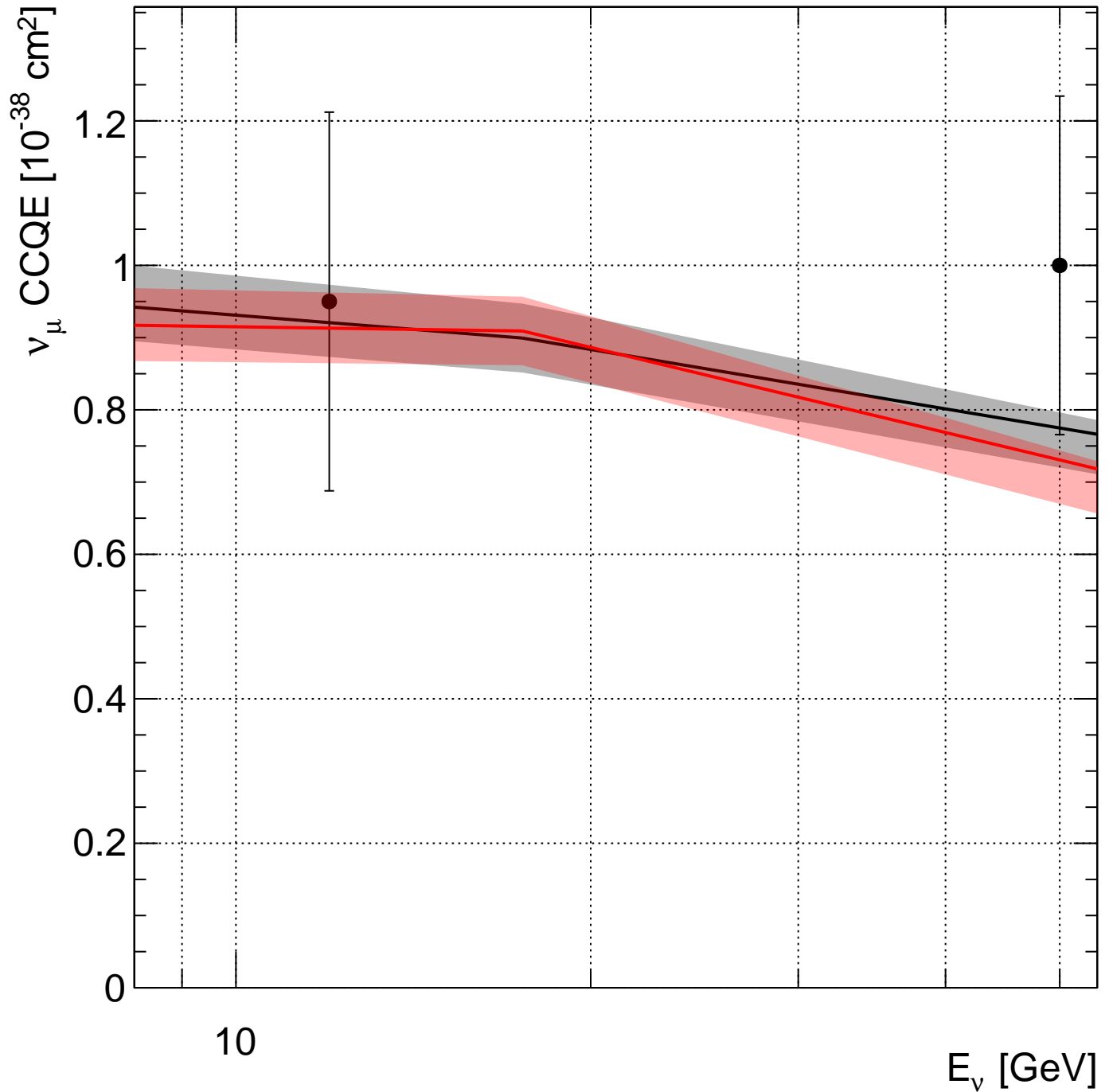
BNL_7FT,3 [Baker et al., Phys.Rev.D23:2499 (1981)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 9.54/4$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 10.2/4$ DoF



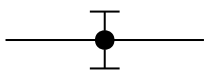
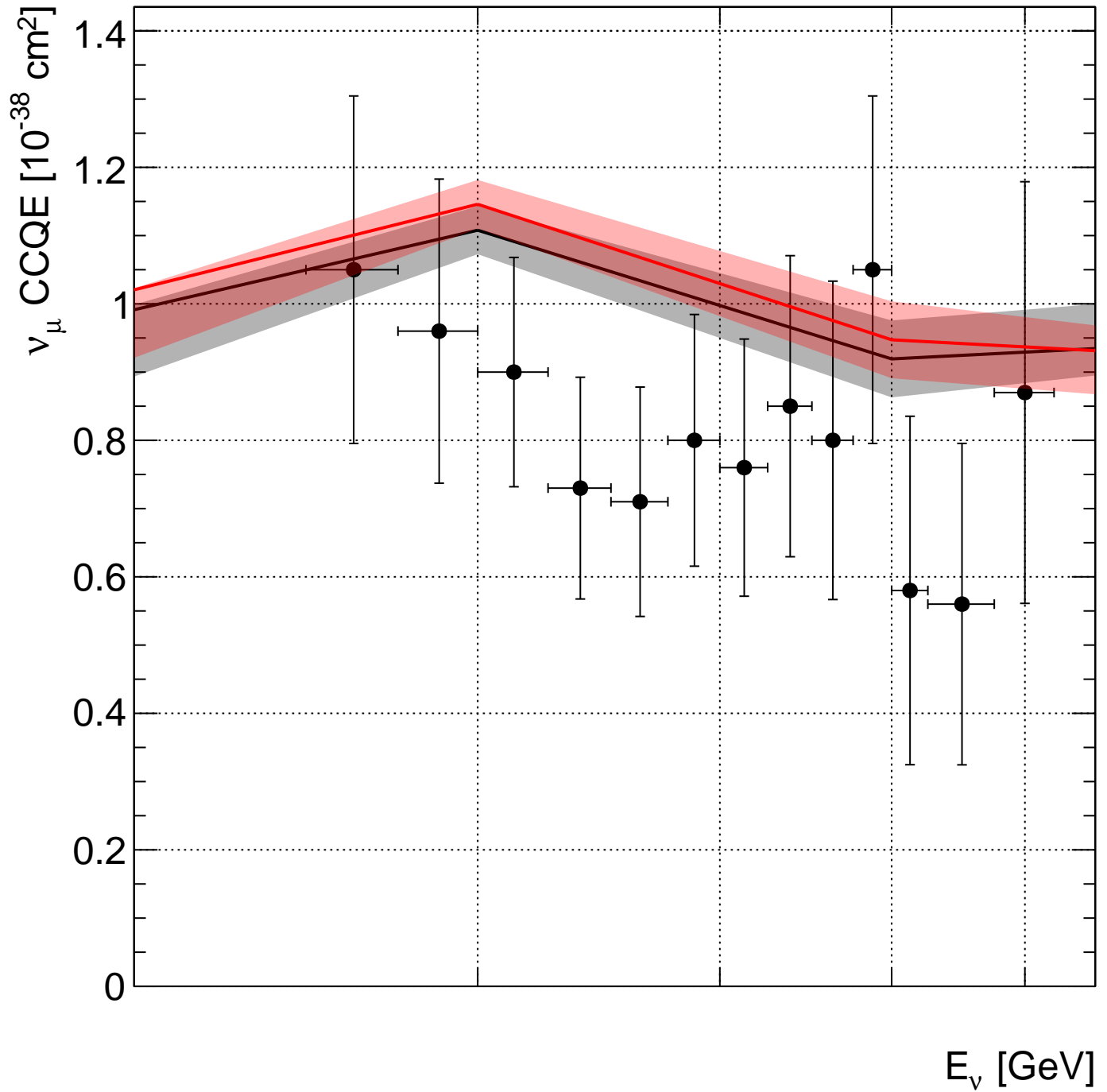
FNAL_15FT,3 [Kitagaki et al., Phys.Rev.D28:436 (1983)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 0.855/2$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 1.17/2$ DoF



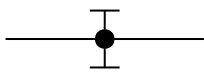
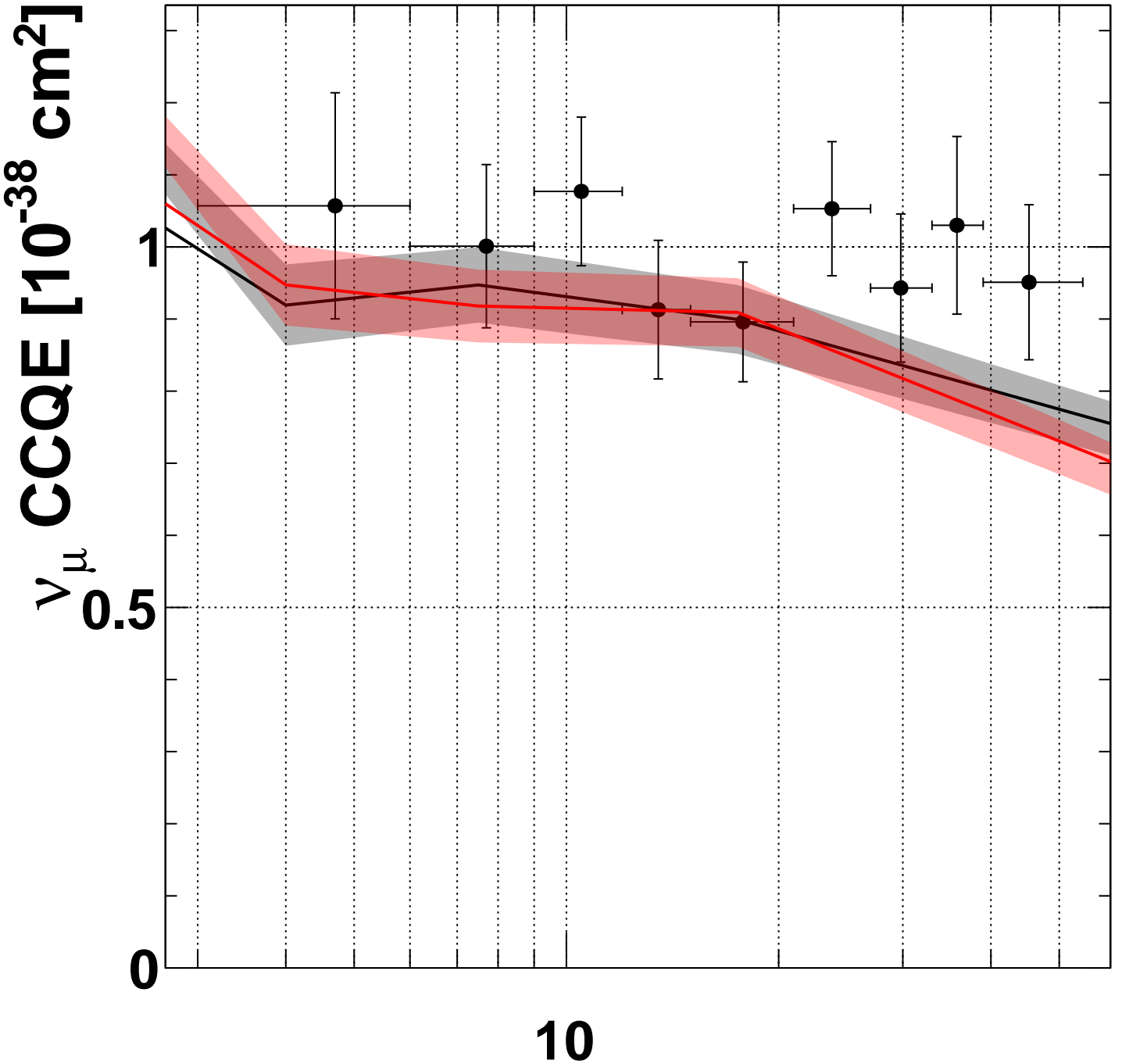
Gargamelle,2 [Bonetti et al., Nuovo Cim.A38:260 (1977)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 13.6/13$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 15.2/13$ DoF



NOMAD,2 [Lyubushkin et al., Eur.Phys.J.C63:355 (2009)]

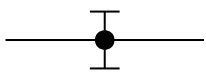
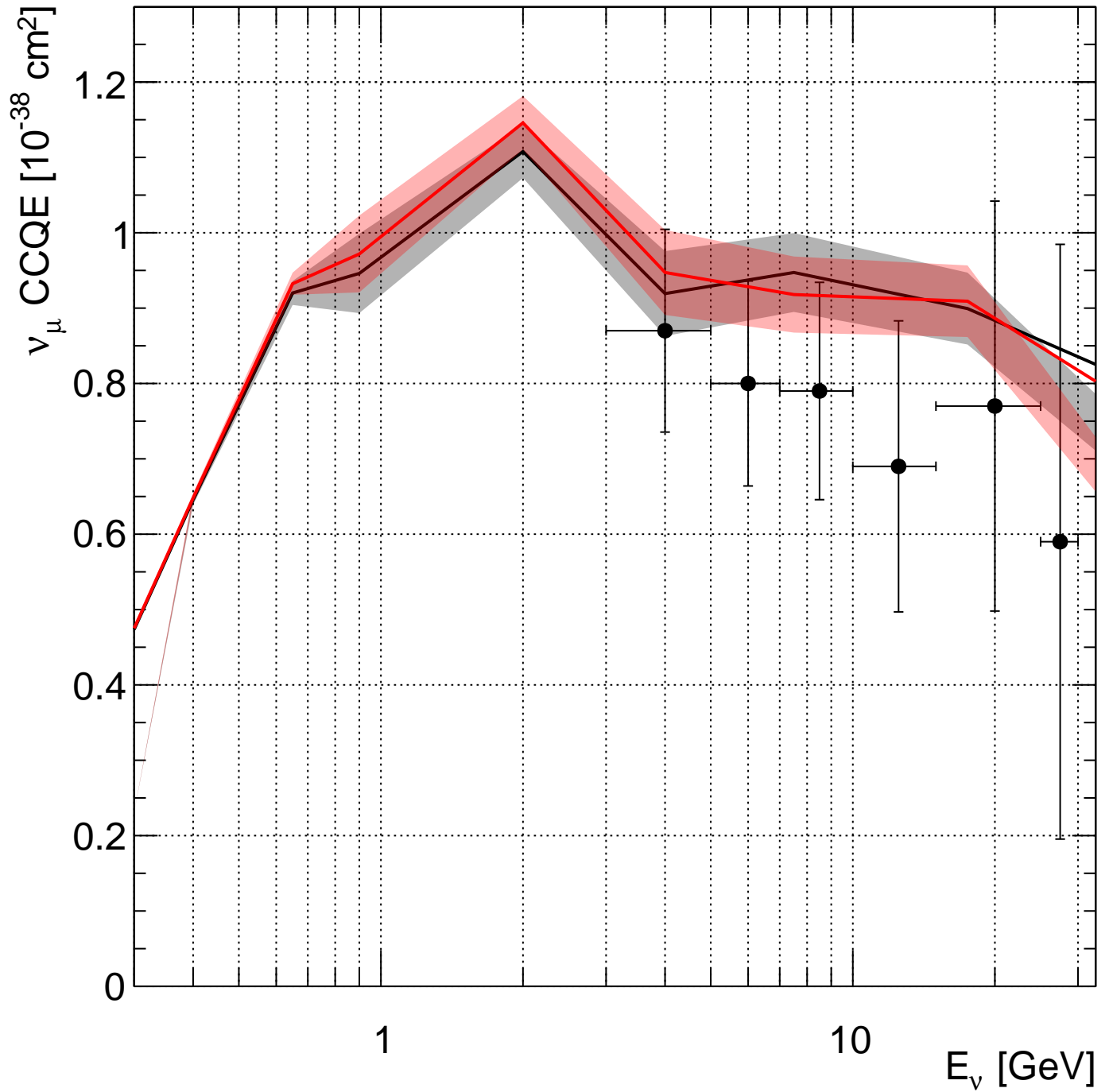


master:G18_02a_00_000:numu_freenuc $\chi^2 = 11.3/9$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 13.2/9$ DoF

[GeV]



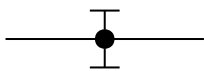
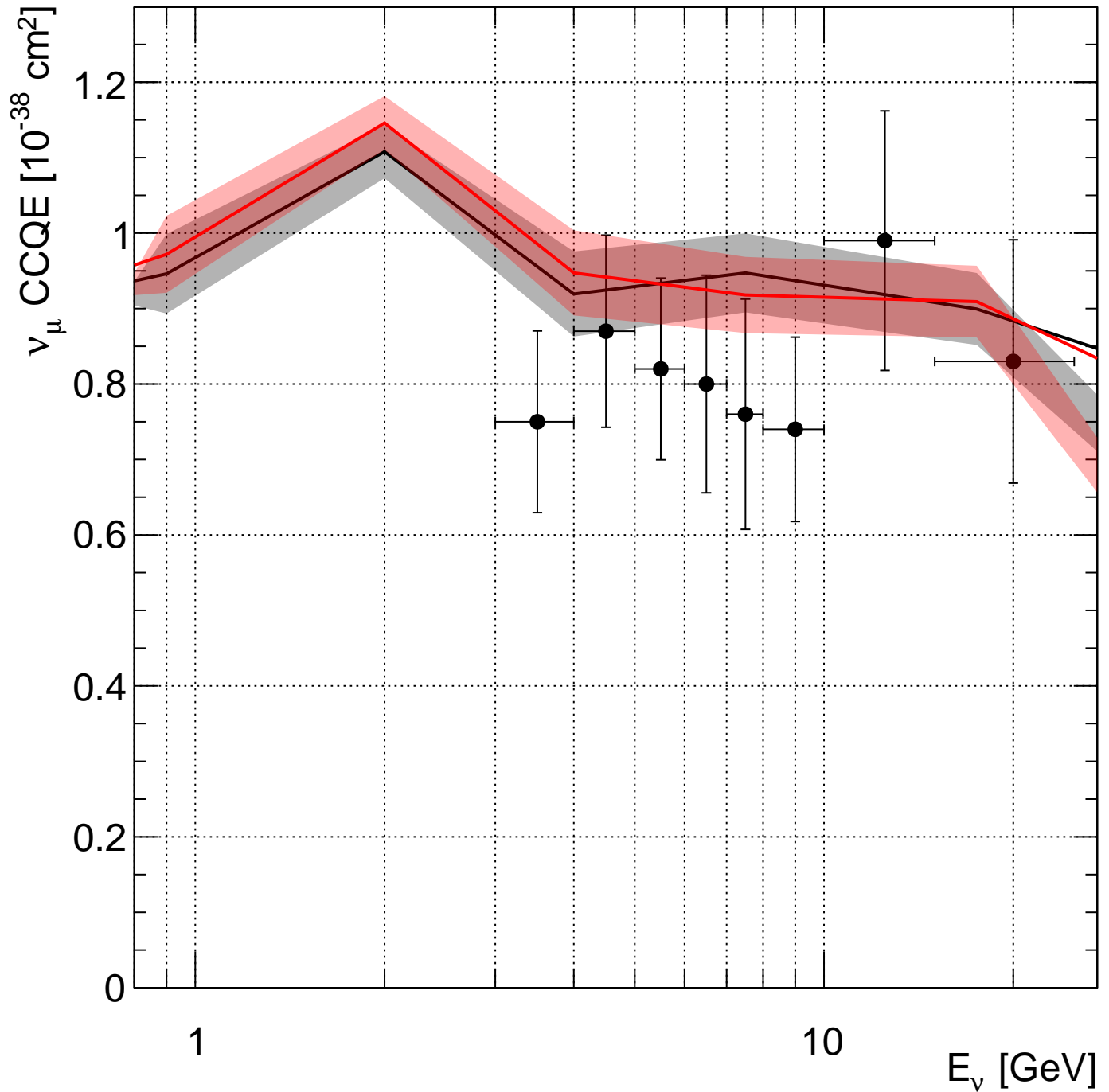
SERP_A1,0 [Belikov et al., Yad.Fiz.35:59 (1982)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 4.32/6$ DoF



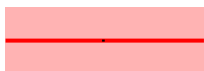
RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 3.97/6$ DoF



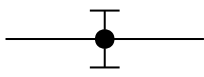
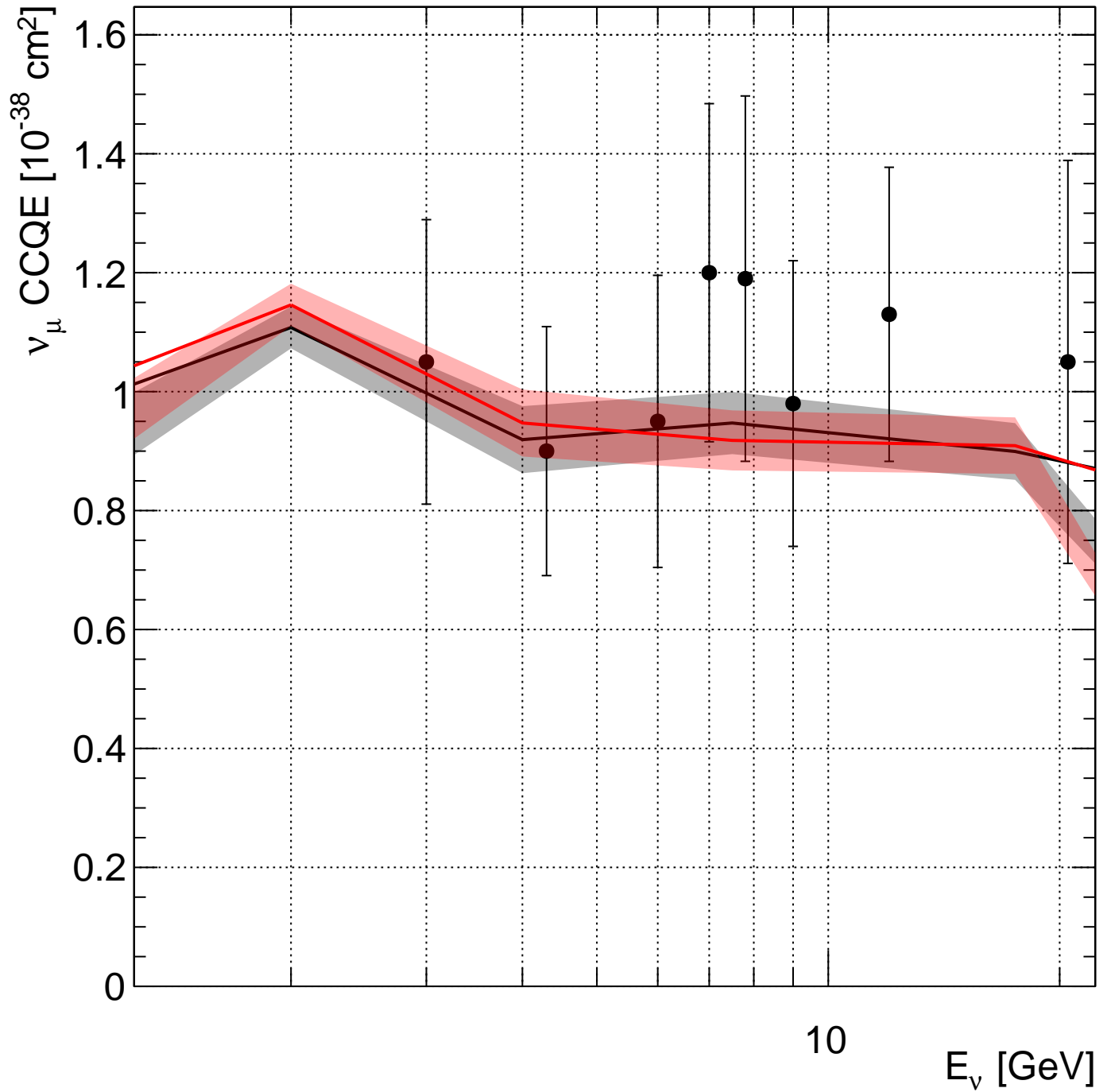
SERP_A1,1 [Belikov et al., Z.Phys.A320:625 (1985)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 9.5/8$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 9.67/8$ DoF



SKAT,8 [Bruner et al., Zeit.Phys.C45:551 (1990)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 2.18/8$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 2.83/8$ DoF

Dataset:
numubarCCQE_all

Models:
master/G18_02a_00_000 $\chi^2 = 96.2 / 43$ DoF
RESFix/G18_02a_00_000 $\chi^2 = 79 / 43$ DoF

Subsets:

BNL_7FT,2 [Fanourakis et al., Phys.Rev.D21:562 (1980)]
1 DoF, $\chi^2 = 0.148$ 0.0914

Gargamelle,3 [Bonetti et al., Nuovo Cim.A38:260 (1977)]
10 DoF, $\chi^2 = 19.7$ 16.4

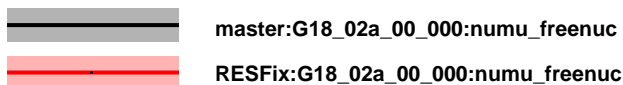
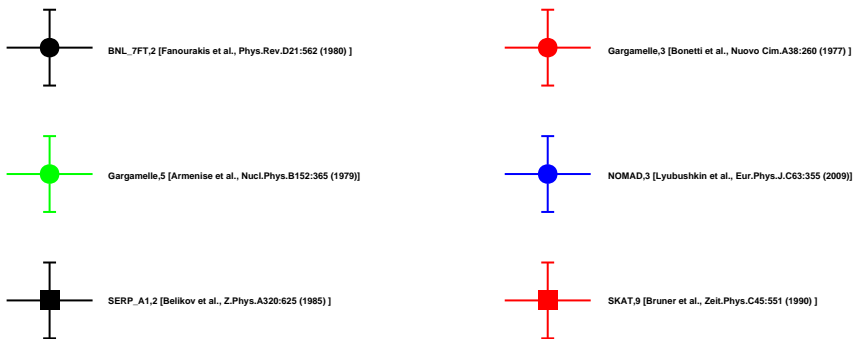
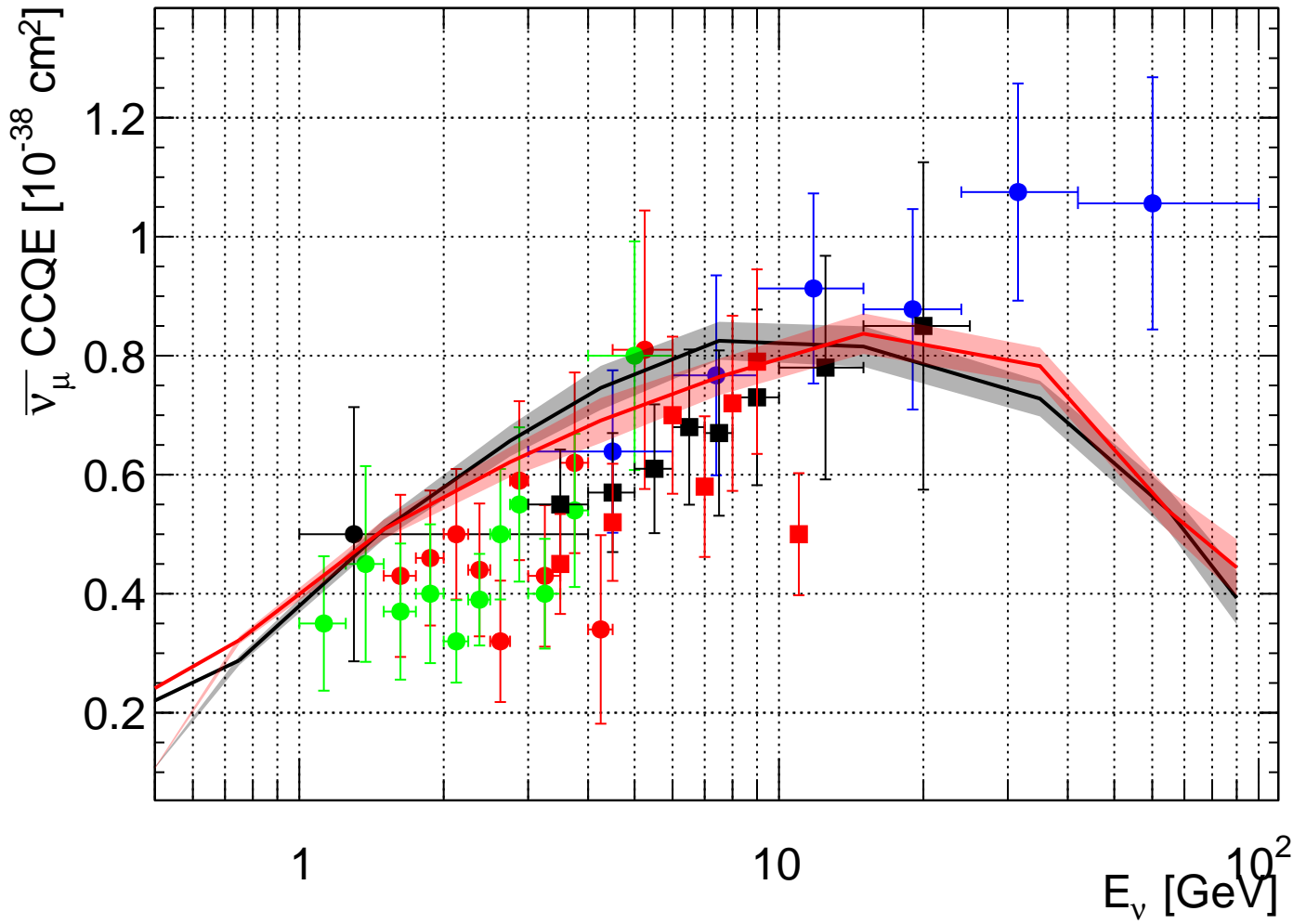
Gargamelle,5 [Armenise et al., Nucl.Phys.B152:365 (1979)]
11 DoF, $\chi^2 = 28.7$ 25.6

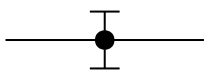
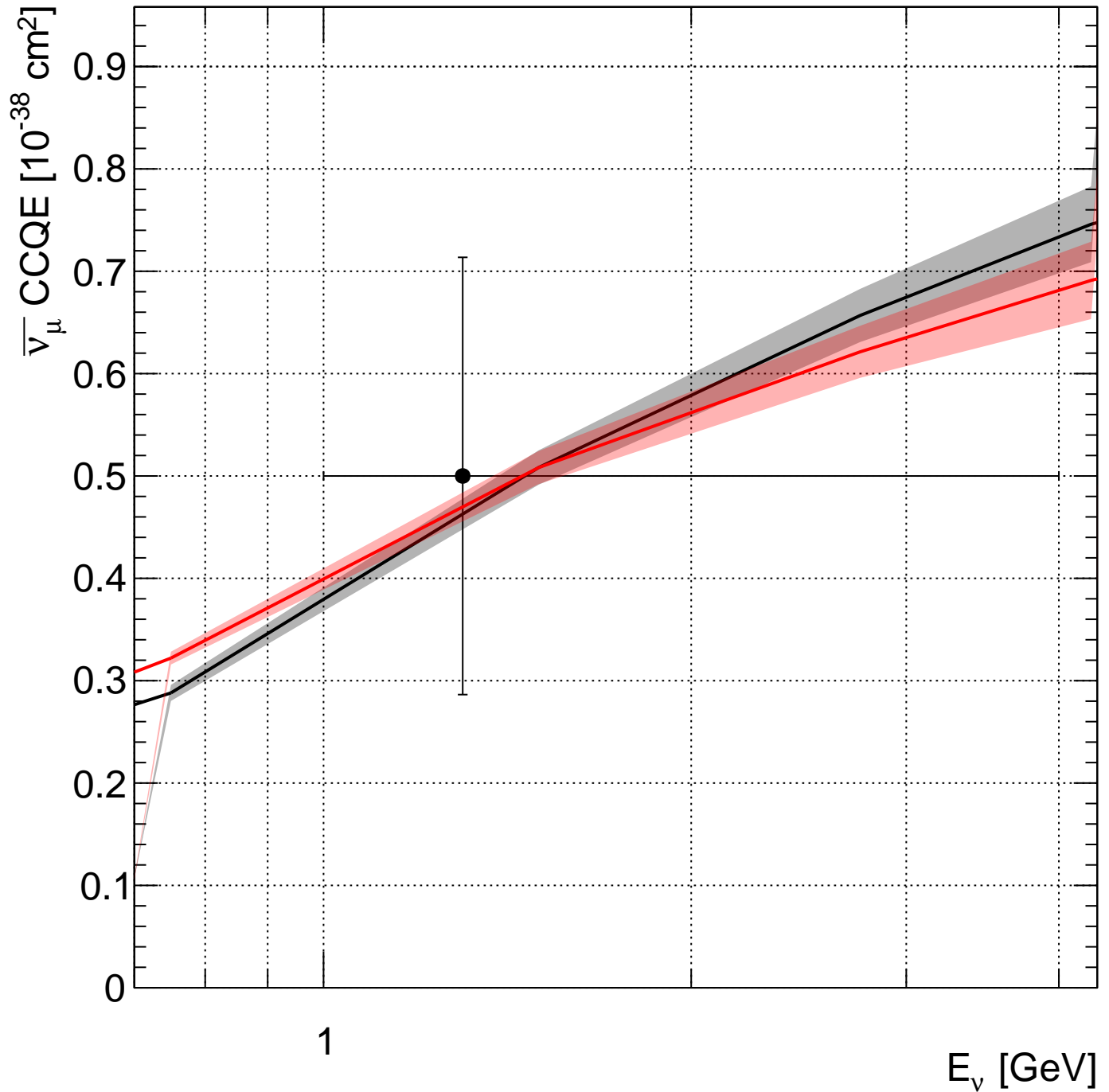
NOMAD,3 [Lyubushkin et al., Eur.Phys.J.C63:355 (2009)]
6 DoF, $\chi^2 = 12.3$ 10.1

SERP_A1,2 [Belikov et al., Z.Phys.A320:625 (1985)]
8 DoF, $\chi^2 = 10.3$ 4.43

SKAT,9 [Bruner et al., Zeit.Phys.C45:551 (1990)]
7 DoF, $\chi^2 = 25.2$ 22.3

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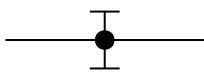
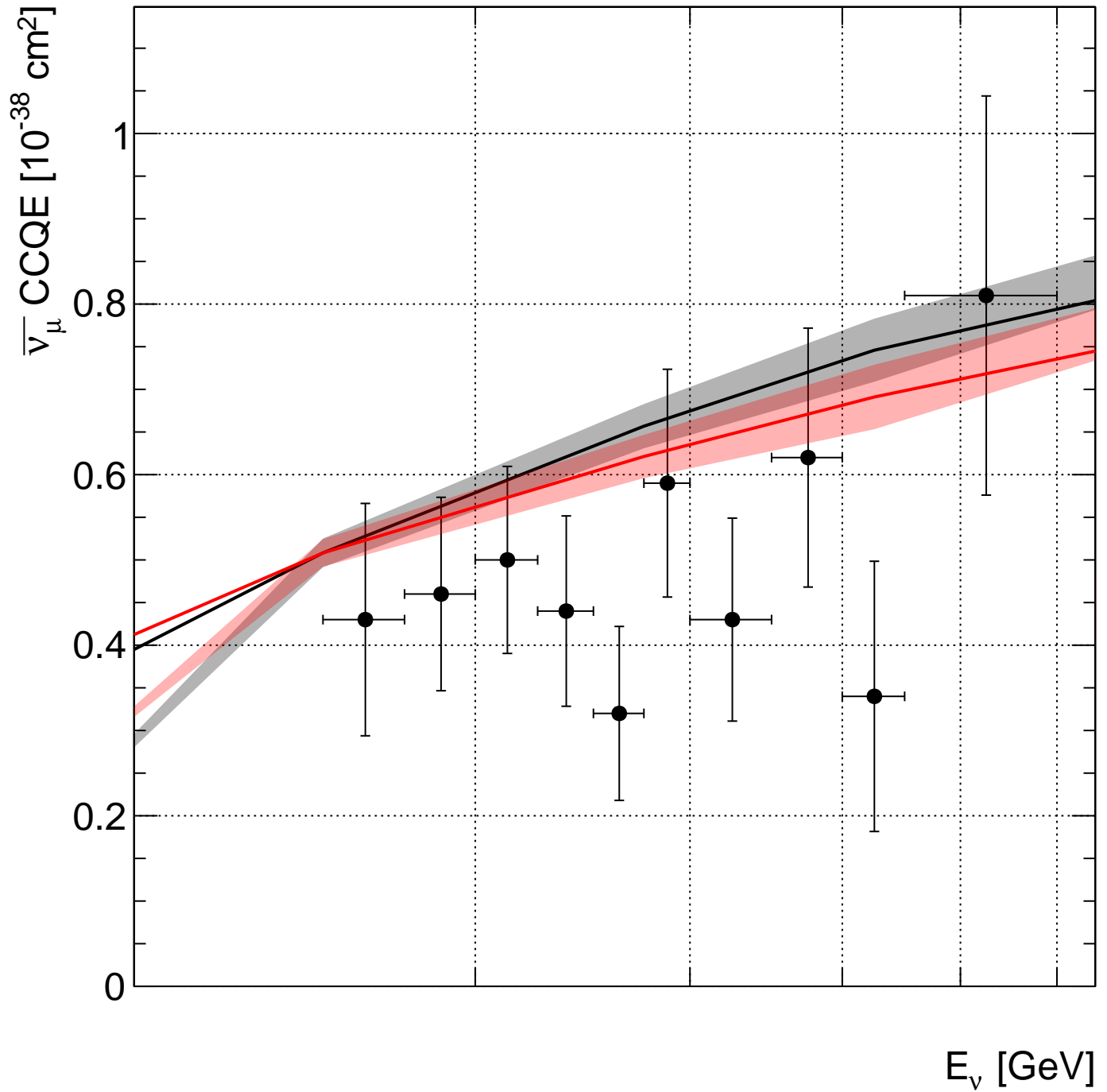
BNL_7FT,2 [Fanourakis et al., Phys.Rev.D21:562 (1980)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 0.148/1$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 0.0914/1$ DoF



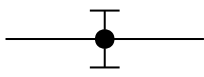
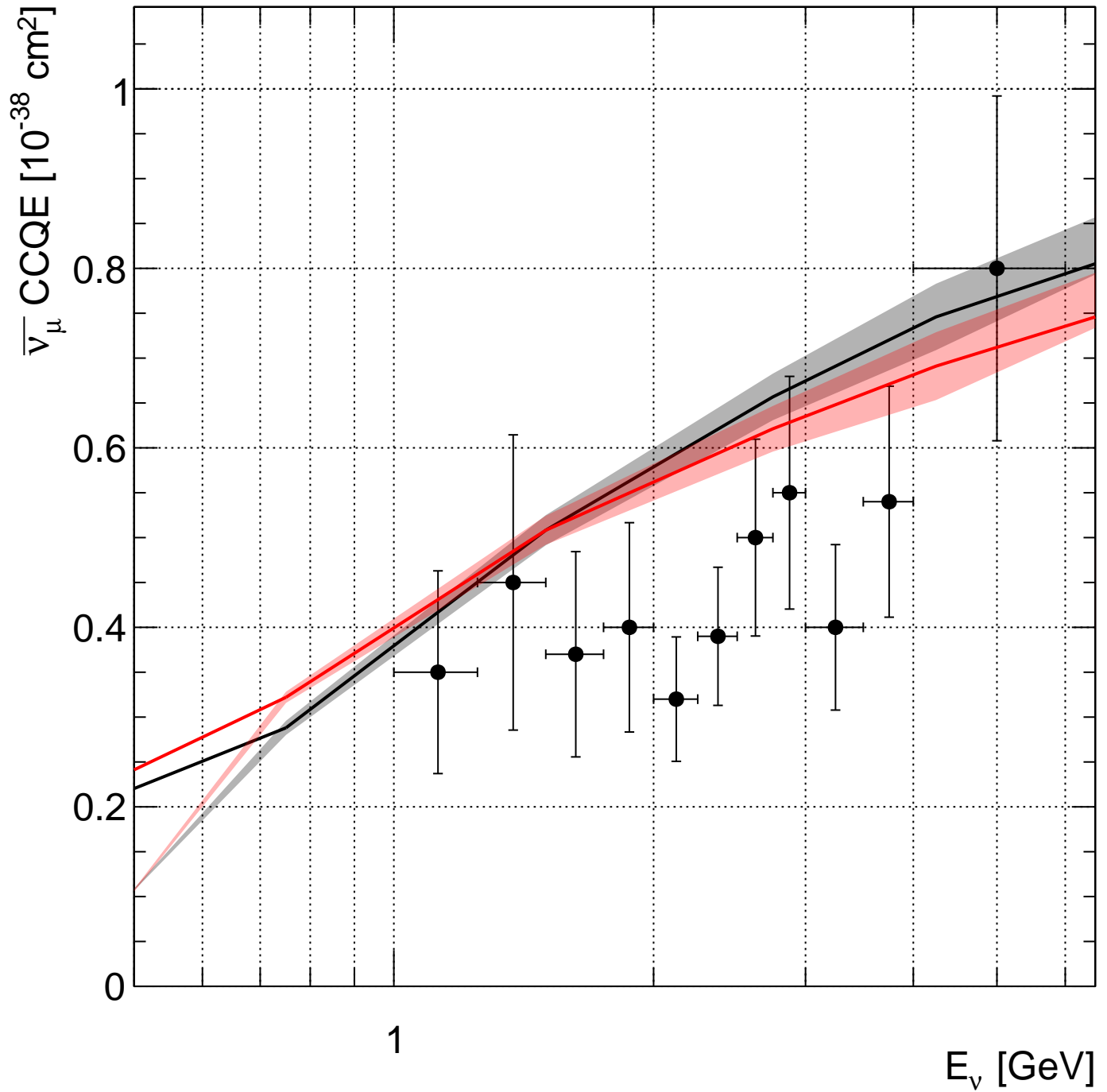
Gargamelle,3 [Bonetti et al., Nuovo Cim.A38:260 (1977)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 19.7/10$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 16.4/10$ DoF



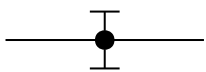
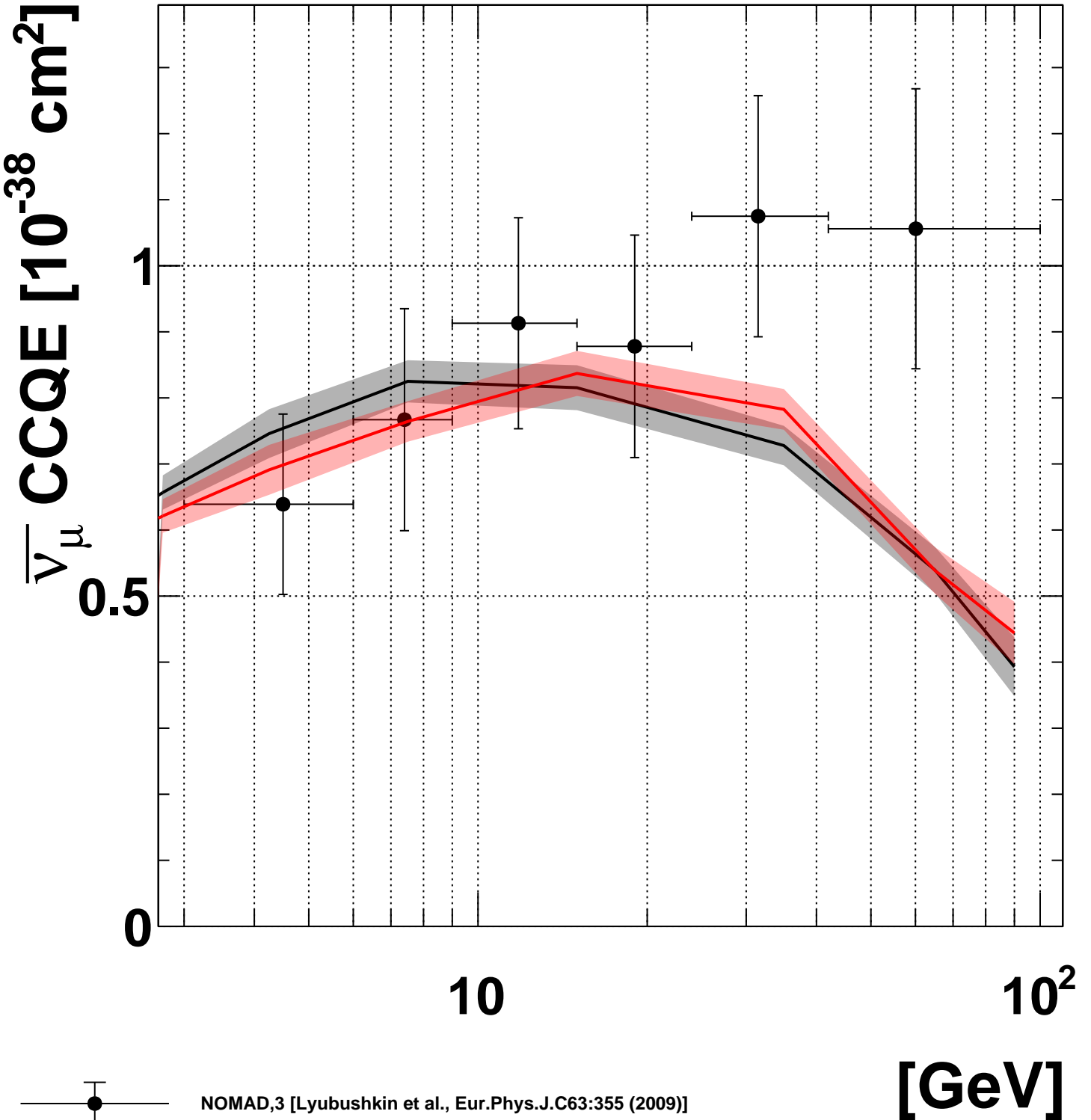
Gargamelle,5 [Armenise et al., Nucl.Phys.B152:365 (1979)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 28.7/11$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 25.6/11$ DoF



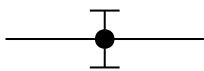
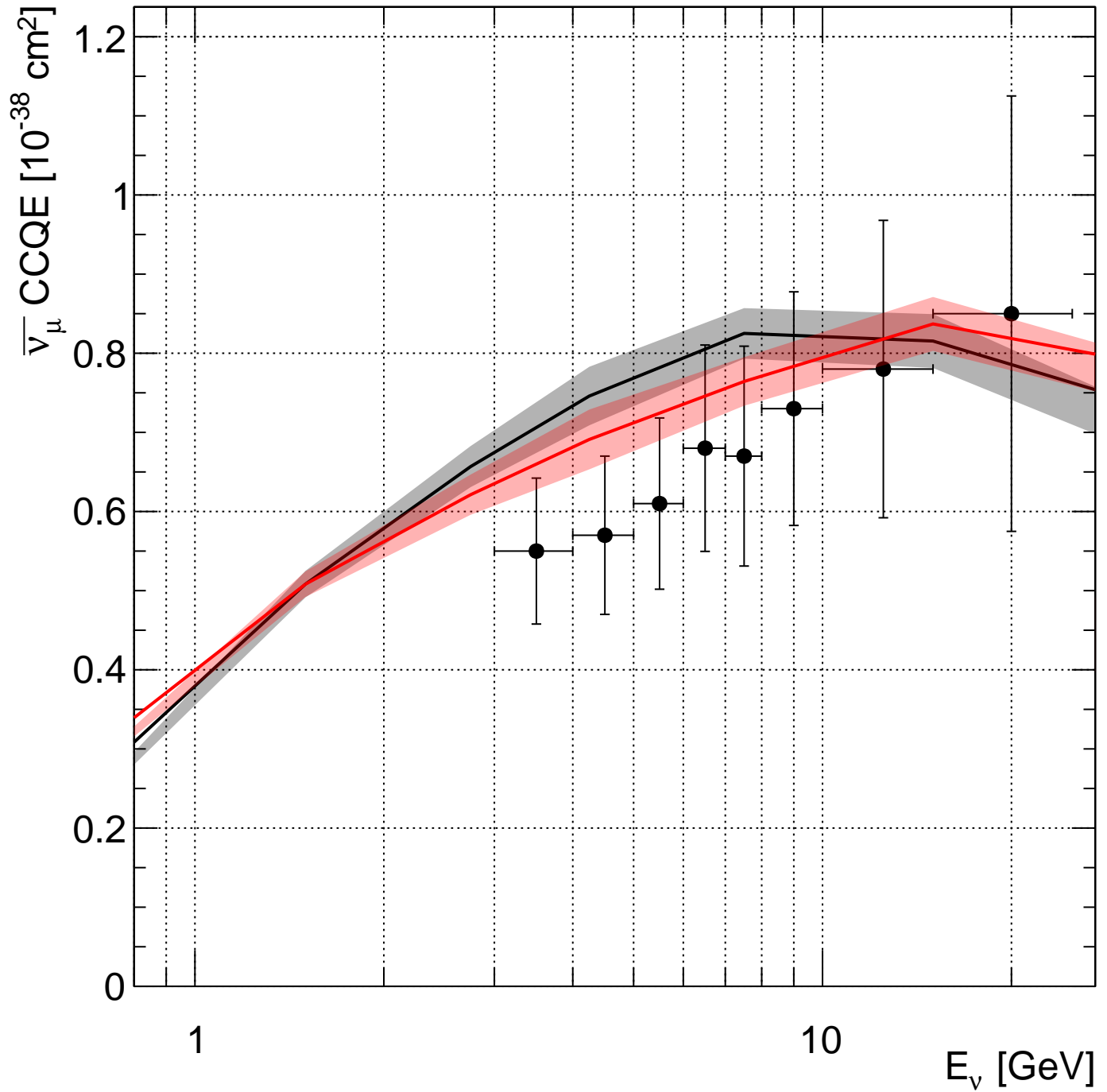
NOMAD,3 [Lyubushkin et al., Eur.Phys.J.C63:355 (2009)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 12.3/6$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 10.1/6$ DoF



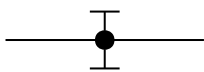
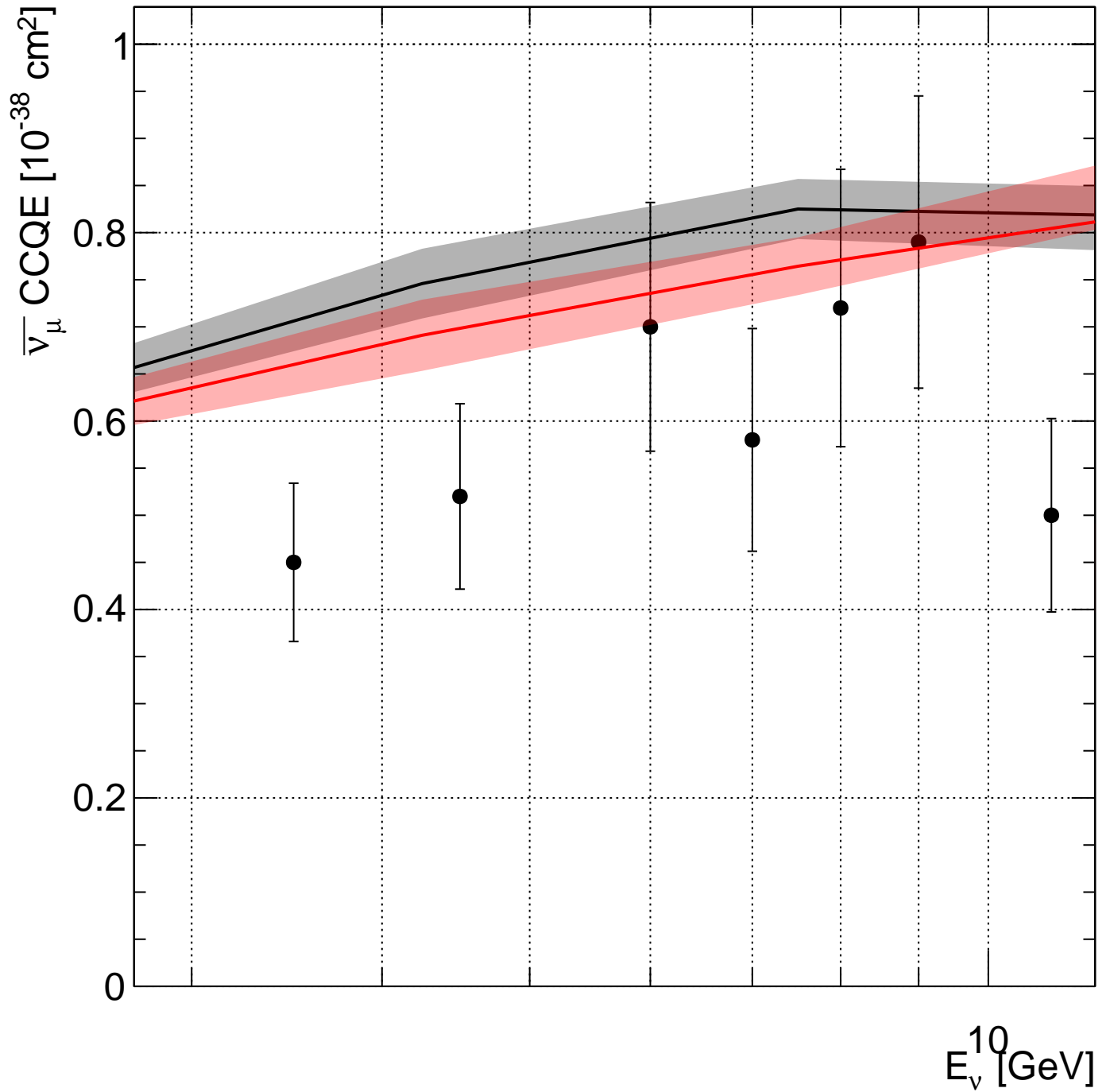
SERP_A1,2 [Belikov et al., Z.Phys.A320:625 (1985)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 10.3/8$ DoF



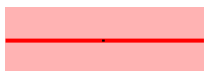
RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 4.43/8$ DoF



SKAT,9 [Bruner et al., Zeit.Phys.C45:551 (1990)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 25.2/7$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 22.3/7$ DoF

Dataset:

numuCCnpi+_noPCut

Models:

master/G18_02a_00_000 $\chi^2 = 93.8 / 23$ DoF

RESFix/G18_02a_00_000 $\chi^2 = 100 / 23$ DoF

Subsets:

ANL_12FT,10 [Radecky et al., Phys.Rev.D25:1161 (1982)]

5 DoF, $\chi^2 = 5.1$ 9.37

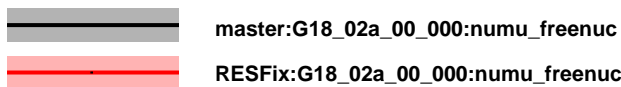
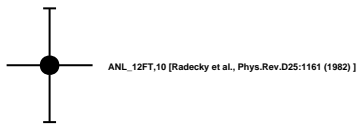
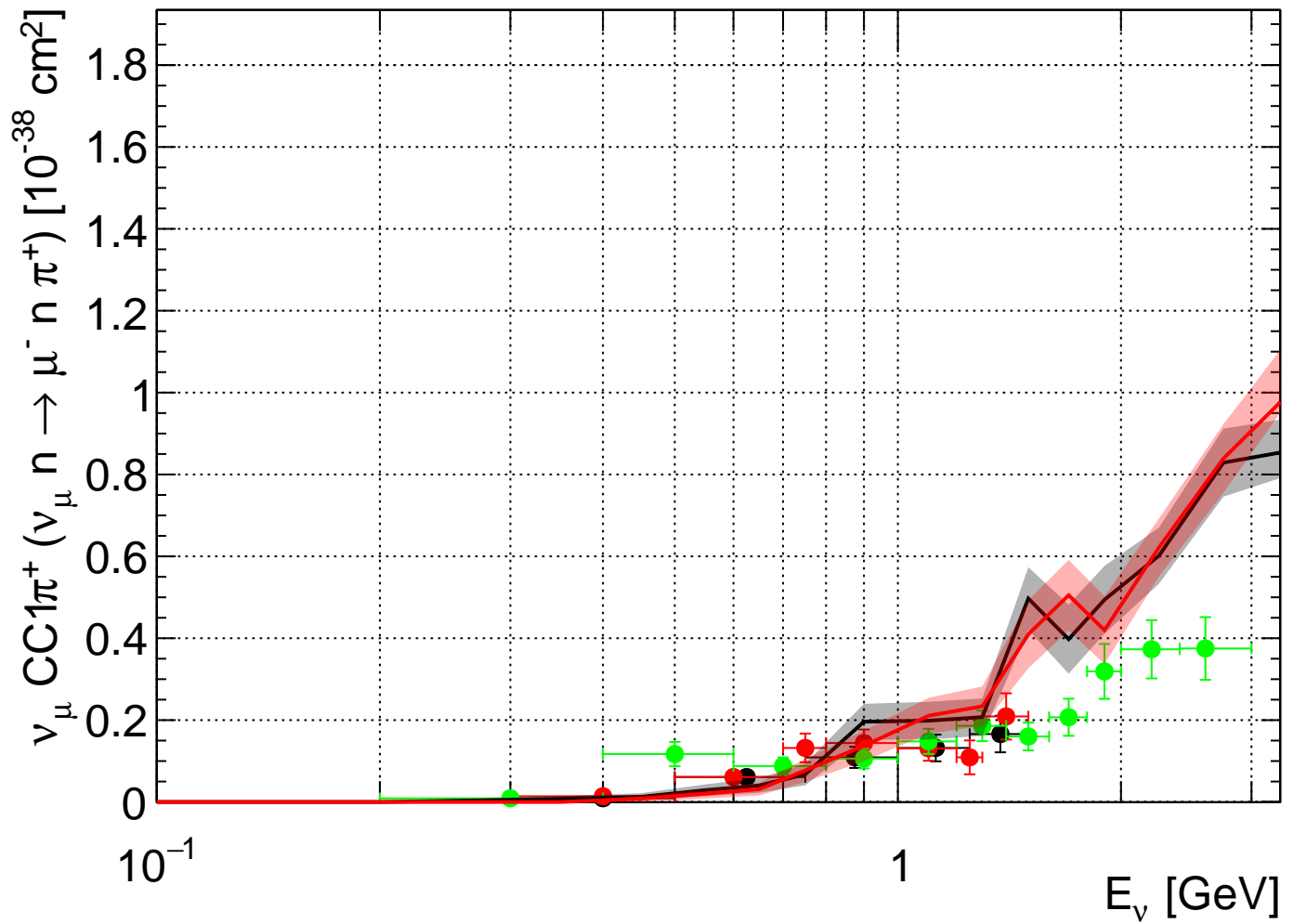
ANL_12FT_ReAna,2 [Wilkinson et al., Phys.Rev.D90:112017 (2014)]

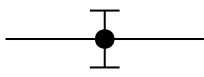
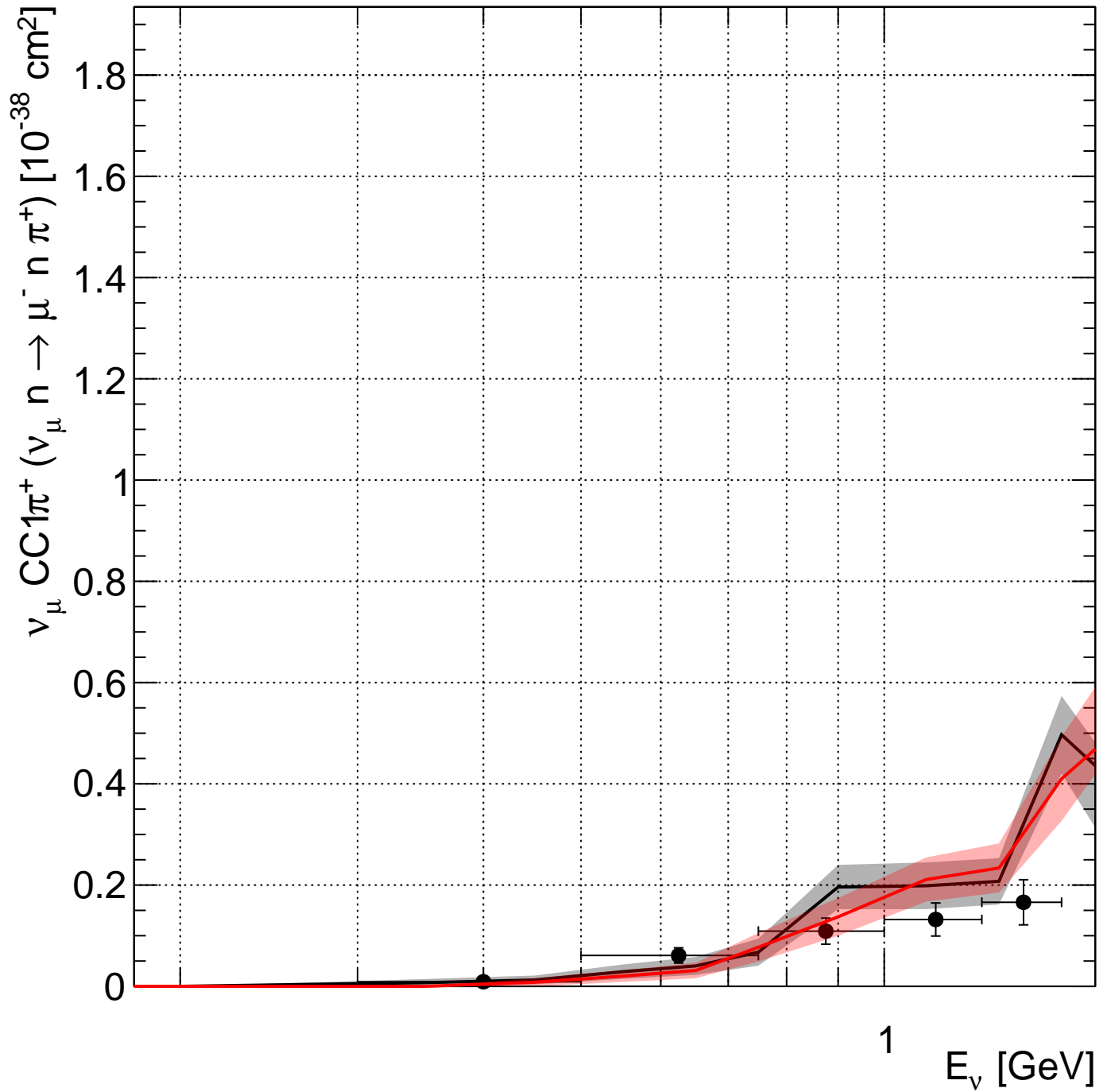
7 DoF, $\chi^2 = 19.7$ 22.6

BNL_7FT_ReAna,2 [Wilkinson et al., Phys.Rev.D90:112017 (2014)]

11 DoF, $\chi^2 = 69$ 68.2

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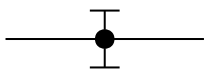
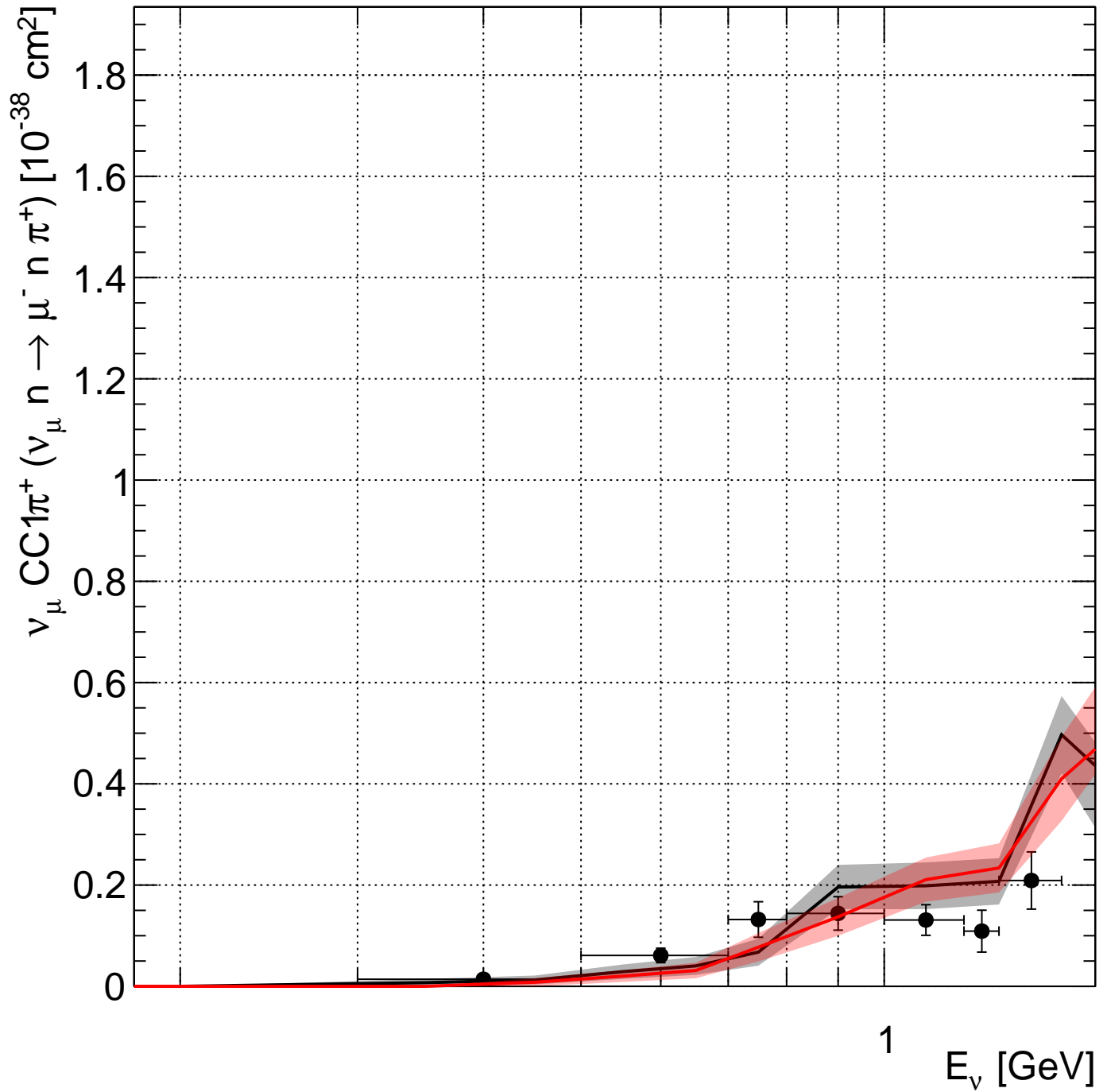
ANL_12FT,10 [Radecky et al., Phys.Rev.D25:1161 (1982)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 5.1/5$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 9.37/5$ DoF



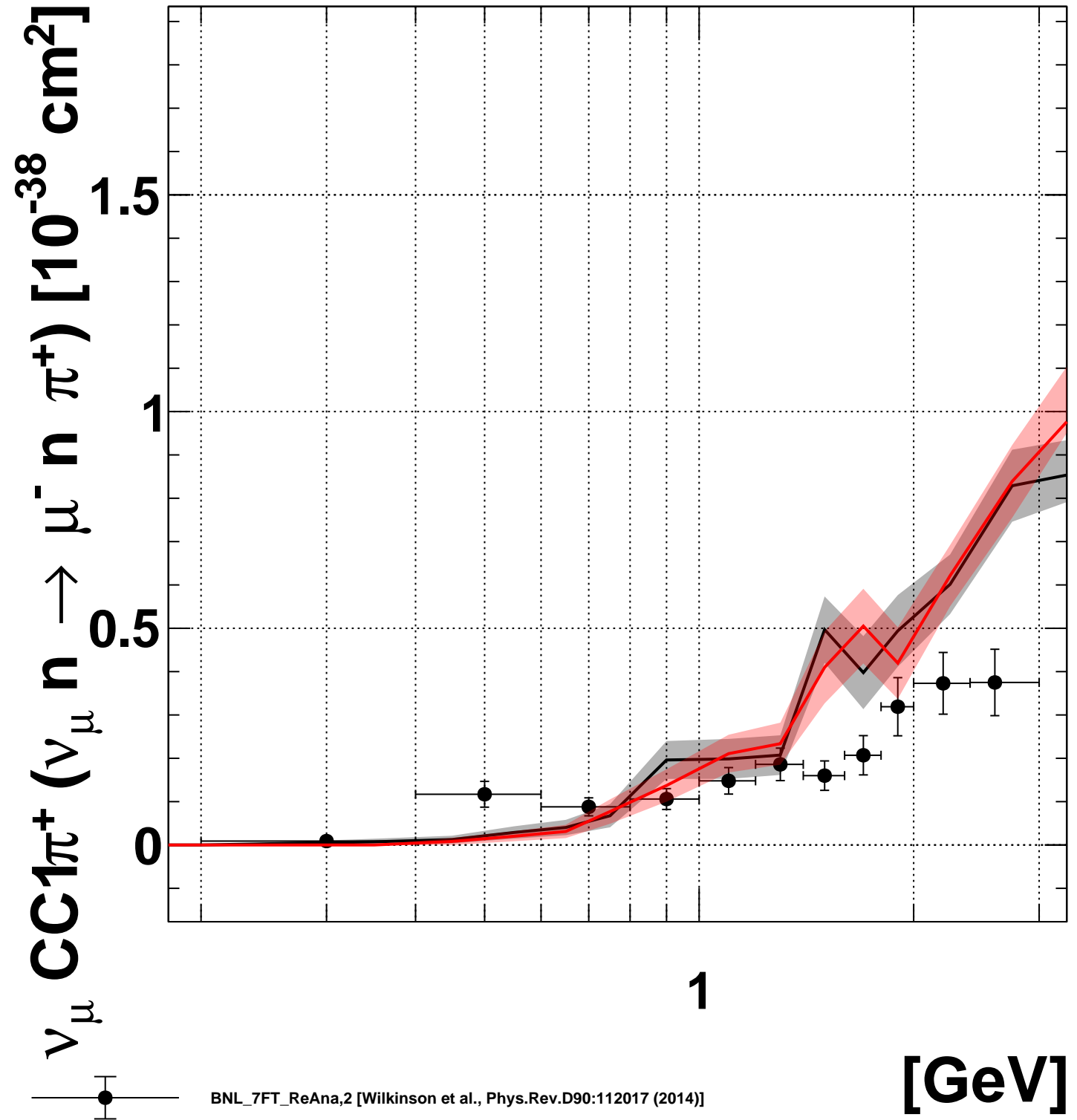
ANL_12FT_ReAna,2 [Wilkinson et al., Phys.Rev.D90:112017 (2014)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 19.77$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 22.67$ DoF



Dataset:

numuCCnpi+_SKAT,7

Grabosch et al., Zeit.Phys.C41:527 (1988)

Models:

master/G18_02a_00_000 $\chi^2 = 106 / 5$ DoF

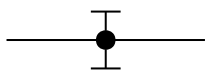
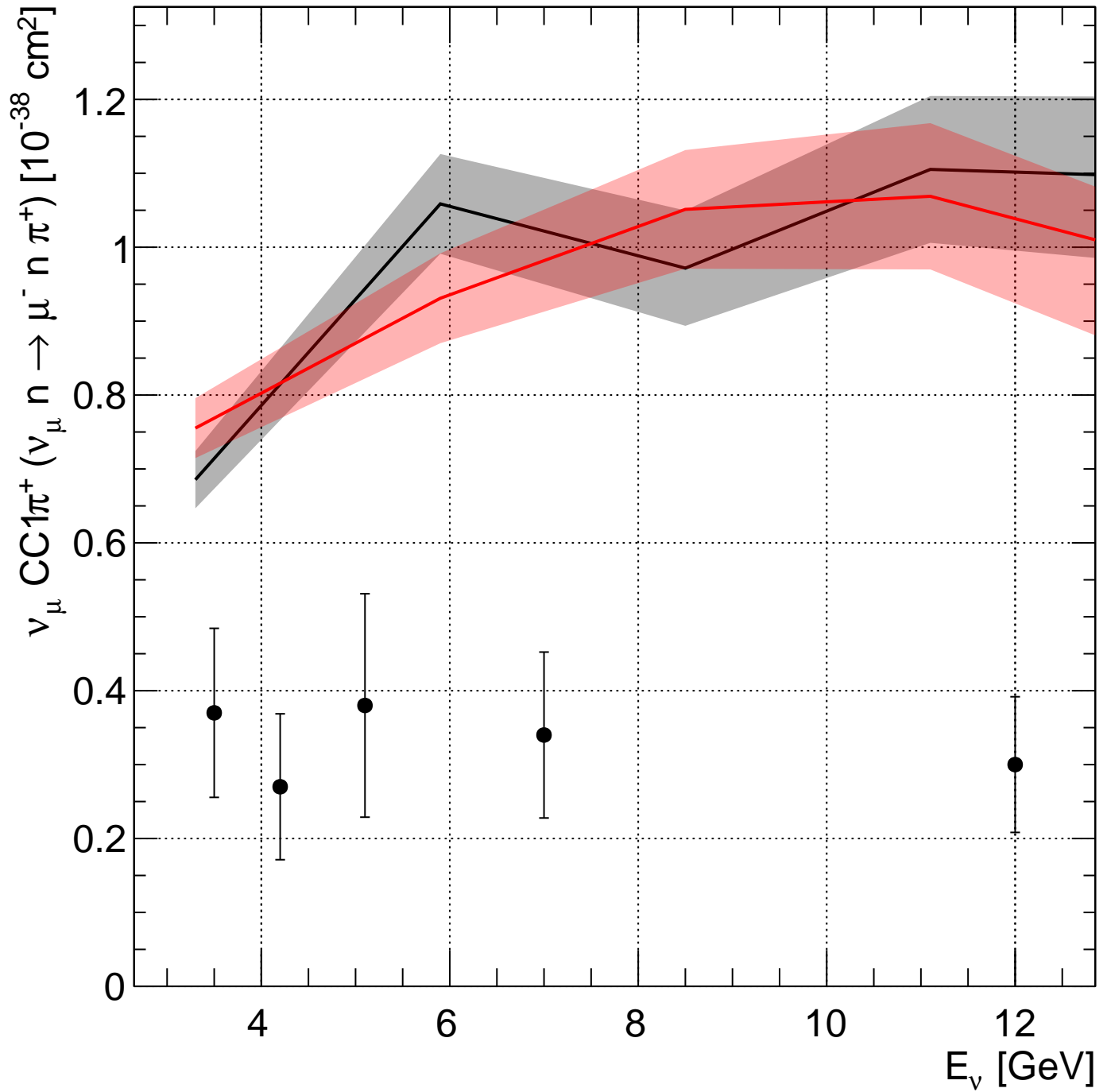
RESFix/G18_02a_00_000 $\chi^2 = 93.8 / 5$ DoF

Subset:

numuCCnpi+_SKAT,7 [Grabosch et al., Zeit.Phys.C41:527 (1988)]

5 DoF, $\chi^2 = 106$ **93.8**

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numuCCnpi+_SKAT,7 [Grabosch et al., Zeit.Phys.C41:527 (1988)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 106/5$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 93.8/5$ DoF

Dataset:
numuCCppi+_noWcut

Models:
master/G18_02a_00_000 $\chi^2 = 67.8 / 29$ DoF
RESFix/G18_02a_00_000 $\chi^2 = 58.8 / 29$ DoF

Subsets:

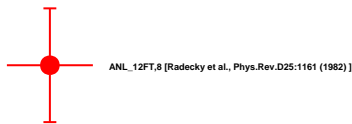
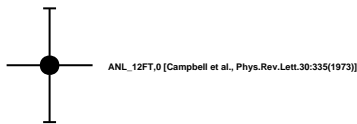
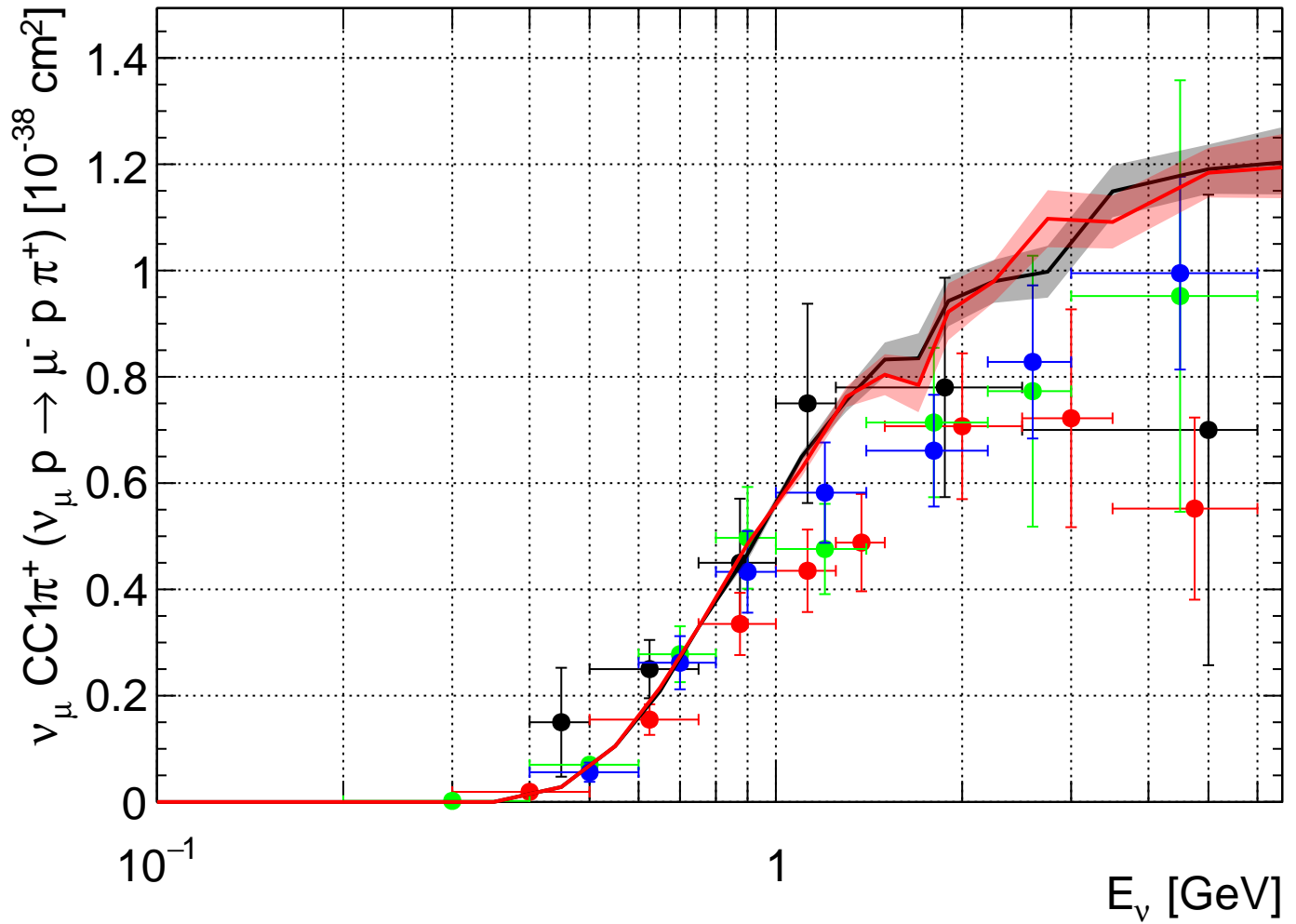
ANL_12FT,0 [Campbell et al., Phys.Rev.Lett.30:335(1973)]
6 DoF, $\chi^2 = 6.68$ 6.33



ANL_12FT,8 [Radecky et al., Phys.Rev.D25:1161 (1982)]
8 DoF, $\chi^2 = 32.2$ 28.9

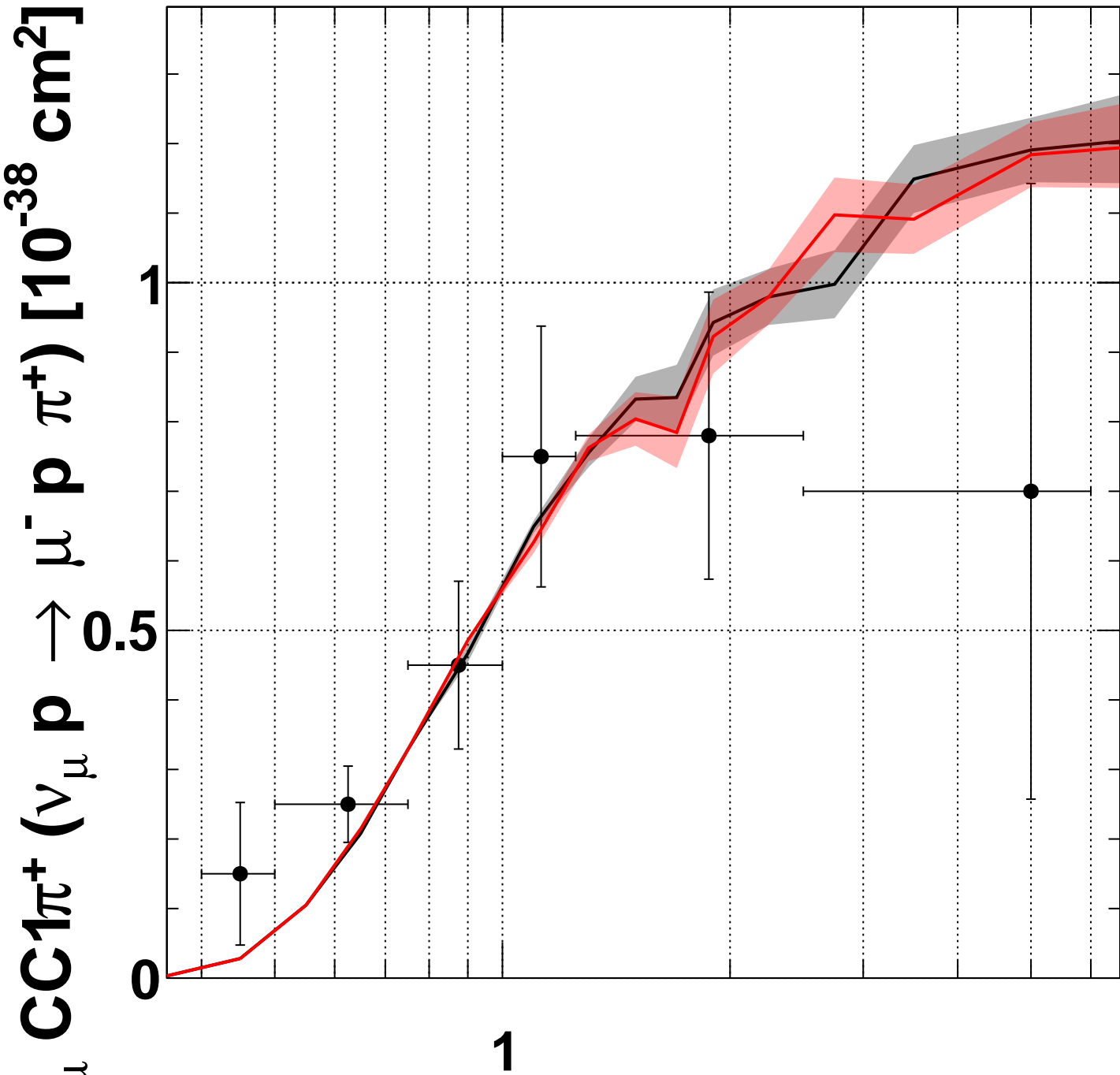
ANL_12FT_ReAna,0 [Wilkinson et al., Phys.Rev.D90:112017 (2014)]
8 DoF, $\chi^2 = 20.3$ 17.9

BNL_7FT_ReAna,0 [Wilkinson et al., Phys.Rev.D90:112017 (2014)]
7 DoF, $\chi^2 = 8.66$ 5.62

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 master:G18_02a_00_000:numu_freenuc
 RESFix:G18_02a_00_000:numu_freenuc



—●—

ANL_12FT,0 [Campbell et al., Phys.Rev.Lett.30:335(1973)]

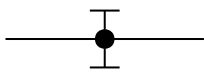
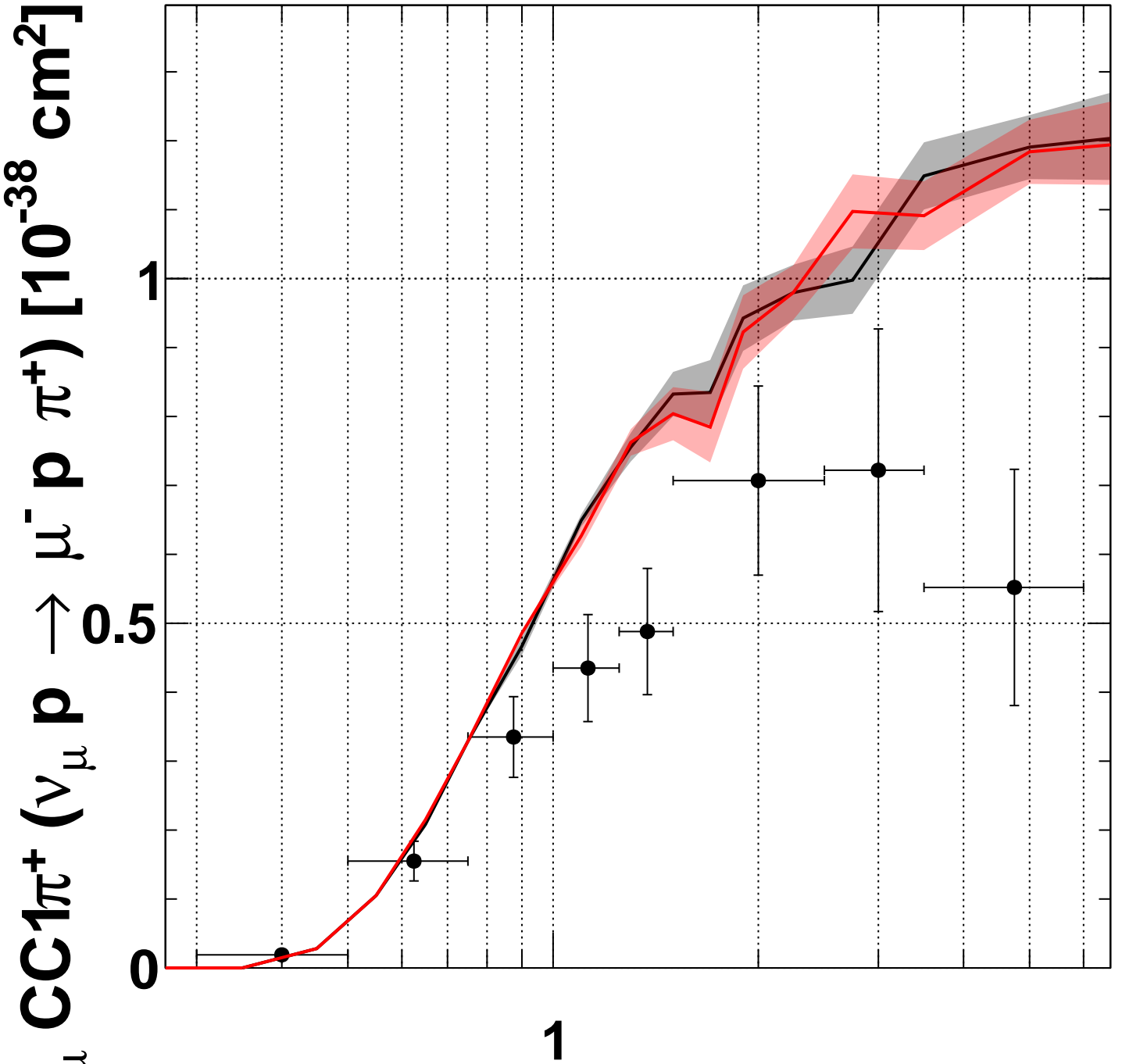
—

master:G18_02a_00_000:numu_freenuc $\chi^2 = 6.68/6$ DoF

—

RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 6.33/6$ DoF

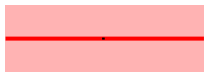
[GeV]



ANL_12FT,8 [Radecky et al., Phys.Rev.D25:1161 (1982)]

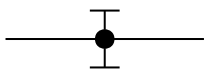
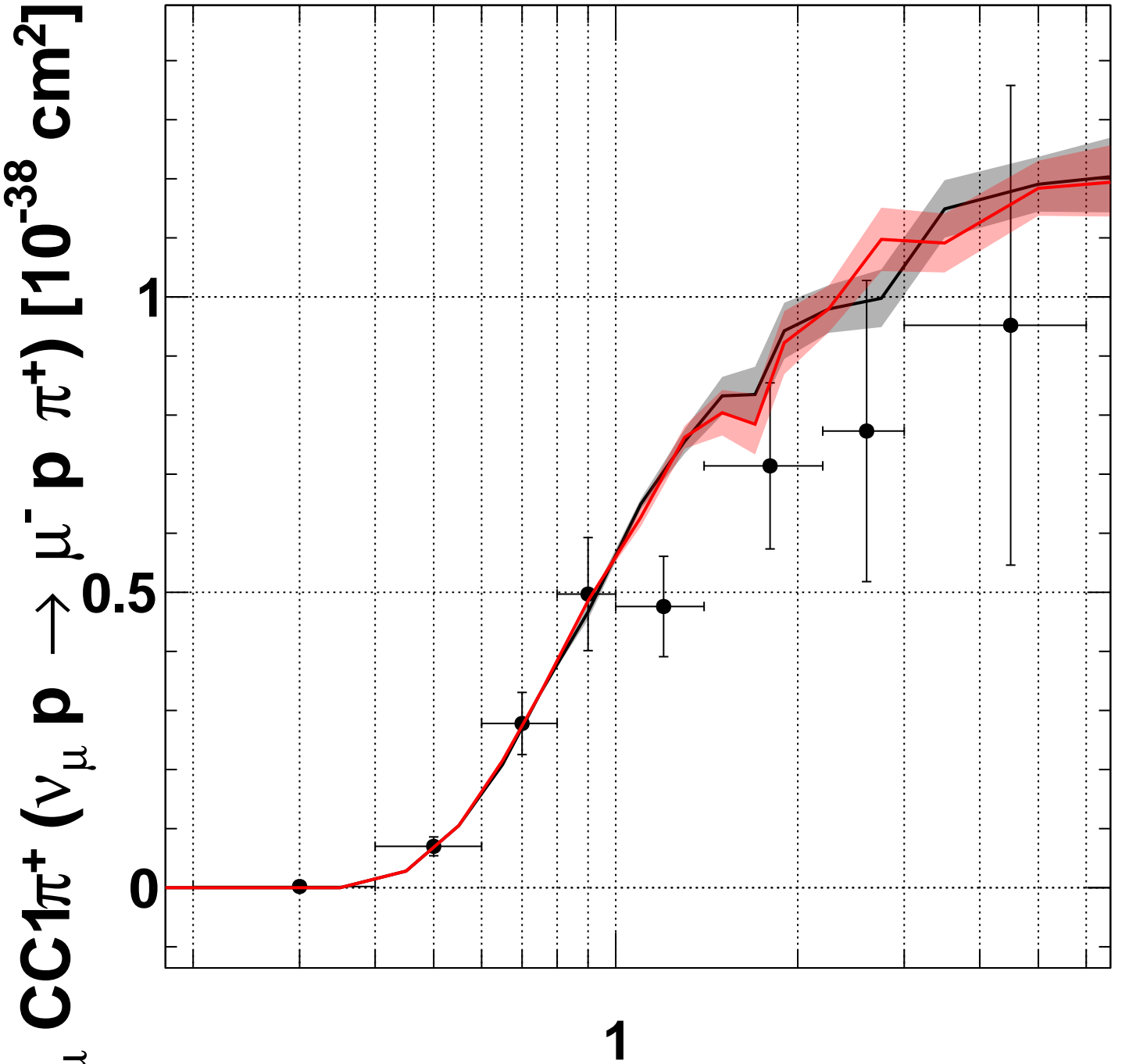


master:G18_02a_00_000:numu_freenuc $\chi^2 = 32.2/8$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 28.9/8$ DoF

[GeV]



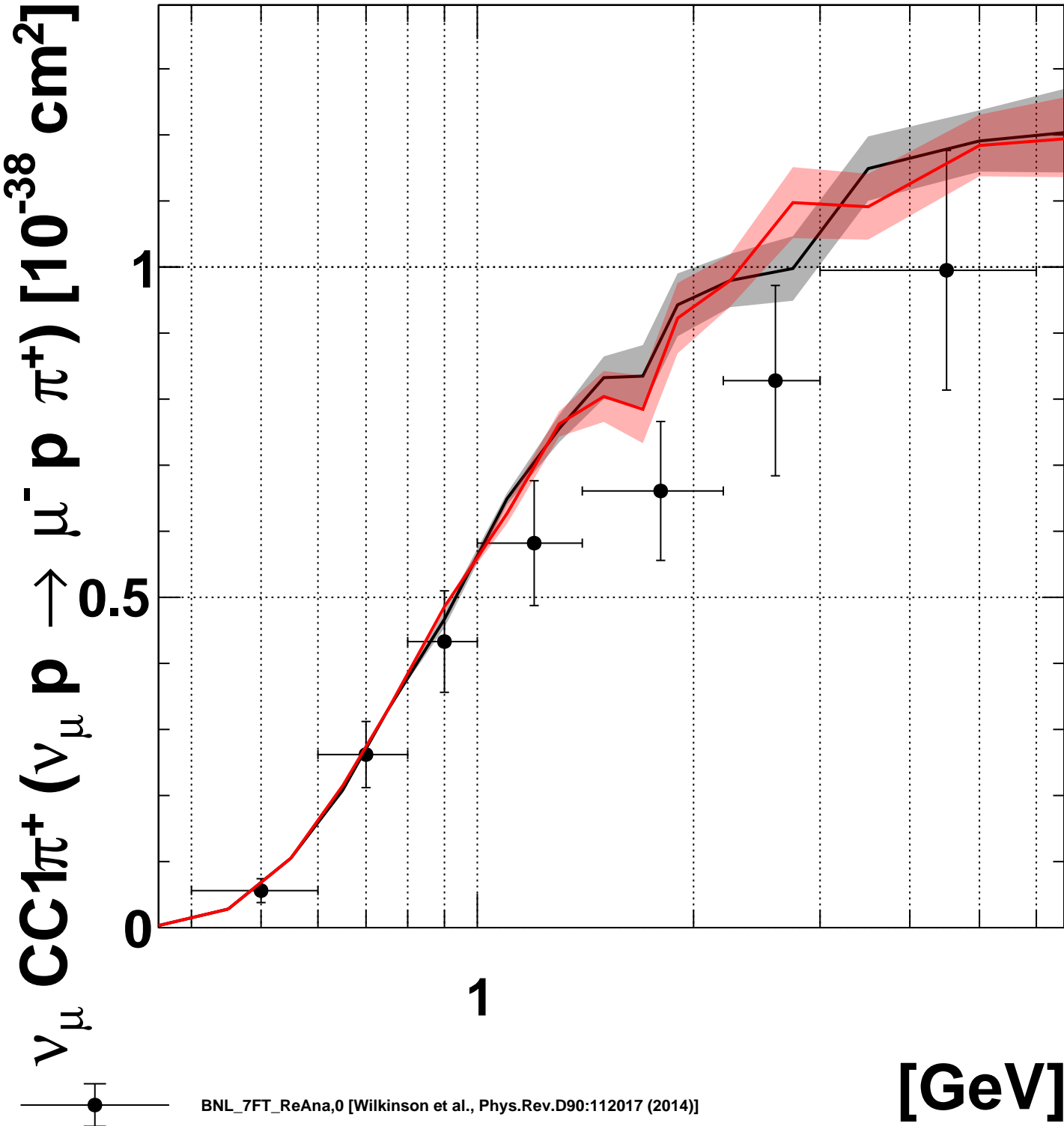
ANL_12FT_ReAna,0 [Wilkinson et al., Phys.Rev.D90:112017 (2014)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 20.3/8$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 17.9/8$ DoF



• ±

BNL_7FT_ReAna,0 [Wilkinson et al., Phys.Rev.D90:112017 (2014)]

█

master:G18_02a_00_000:numu_freenuc $\chi^2 = 8.66/7$ DoF

█

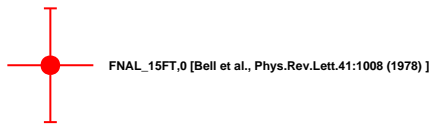
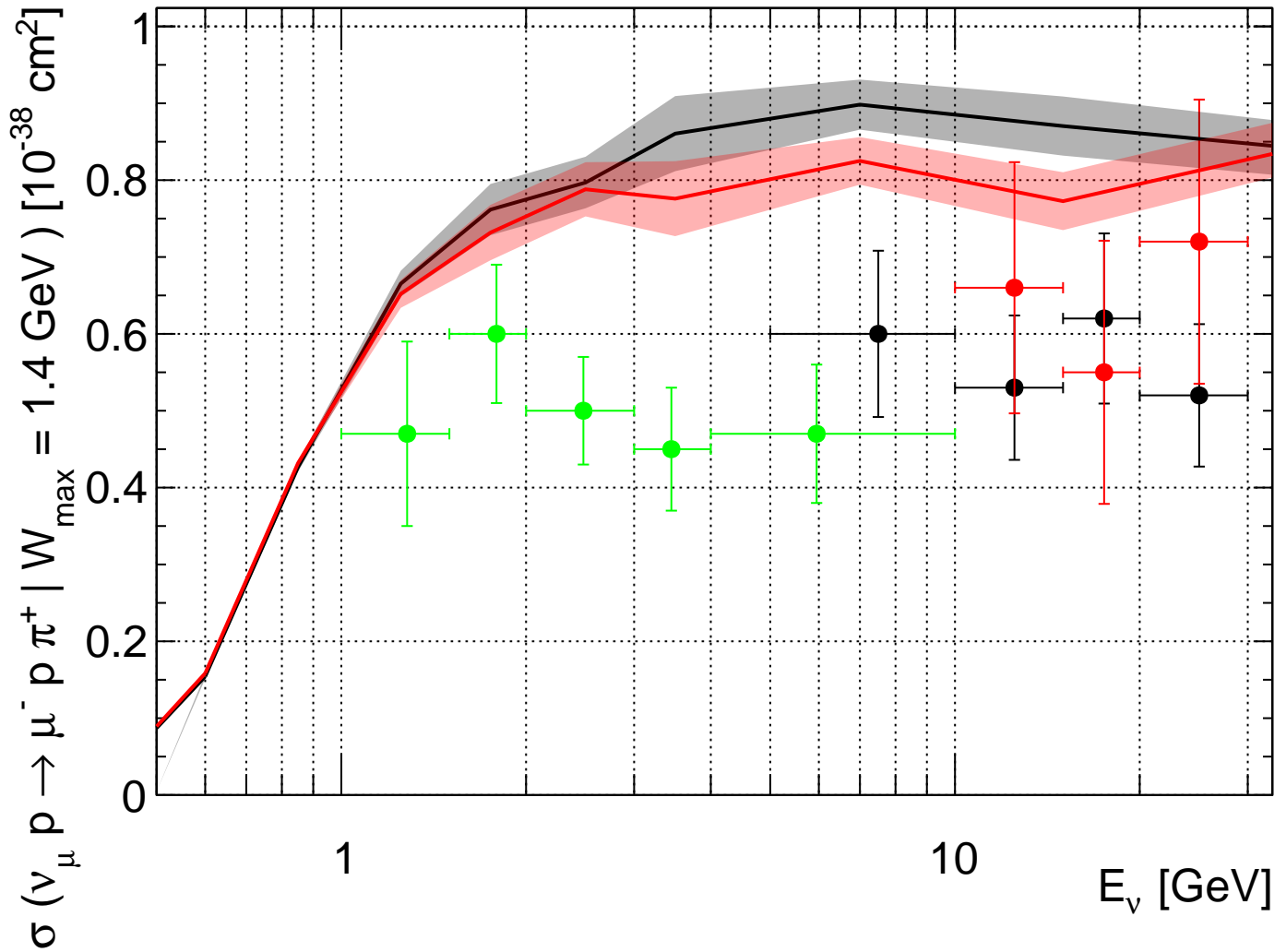
RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 5.62/7$ DoF

Dataset:
numuCCppi+_Wcut1.4

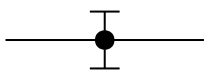
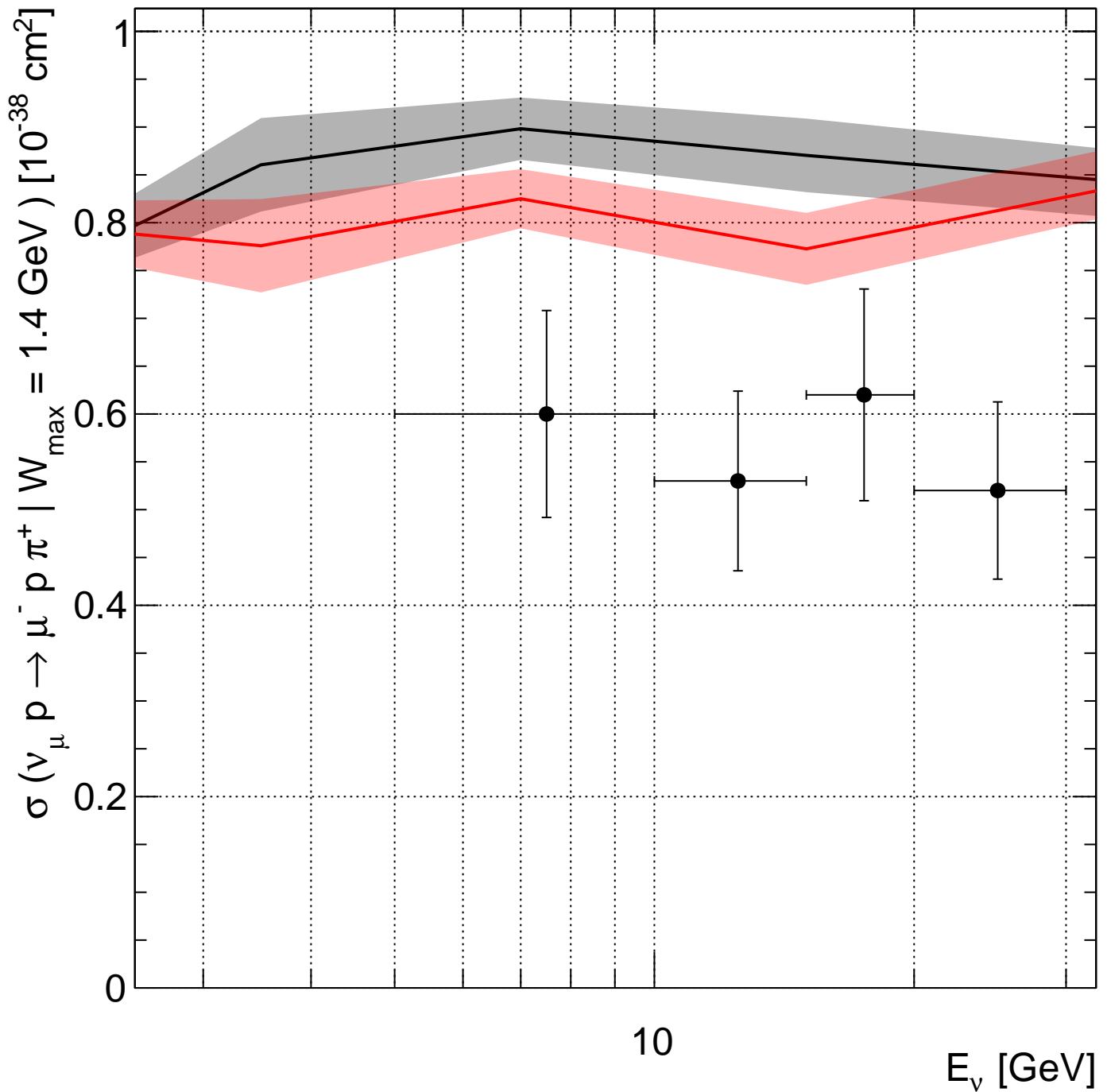
Models:
master/G18_02a_00_000 $\chi^2 = 80.3 / 12$ DoF
RESFix/G18_02a_00_000 $\chi^2 = 57.6 / 12$ DoF

Subsets:
BEBC,4 [Allen et al., Nucl.Phys.B176:269 (1980)]
4 DoF, $\chi^2 = 16.9$ 12.2
FNAL_15FT,0 [Bell et al., Phys.Rev.Lett.41:1008 (1978)]
3 DoF, $\chi^2 = 4.07$ 1.81
Gargamelle,4 [Lerche et al., Phys.Lett.B78:510 (1978)]
5 DoF, $\chi^2 = 59.3$ 43.6

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master:G18_02a_00_000:numu_freenuc
RESFix:G18_02a_00_000:numu_freenuc



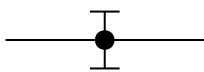
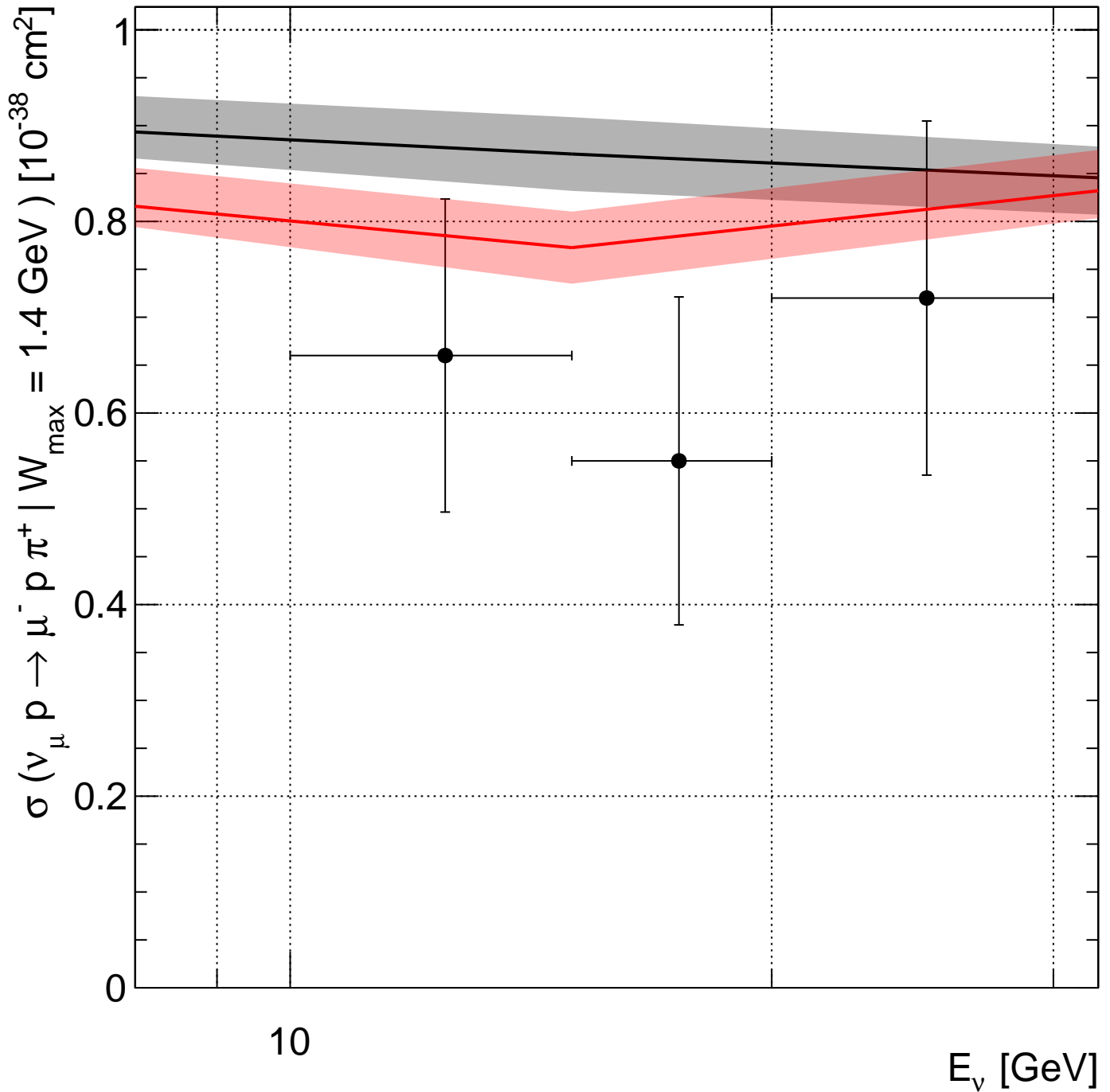
BEBC,4 [Allen et al., Nucl.Phys.B176:269 (1980)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 16.9/4$ DoF



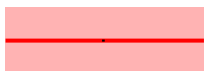
RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 12.2/4$ DoF



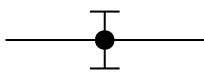
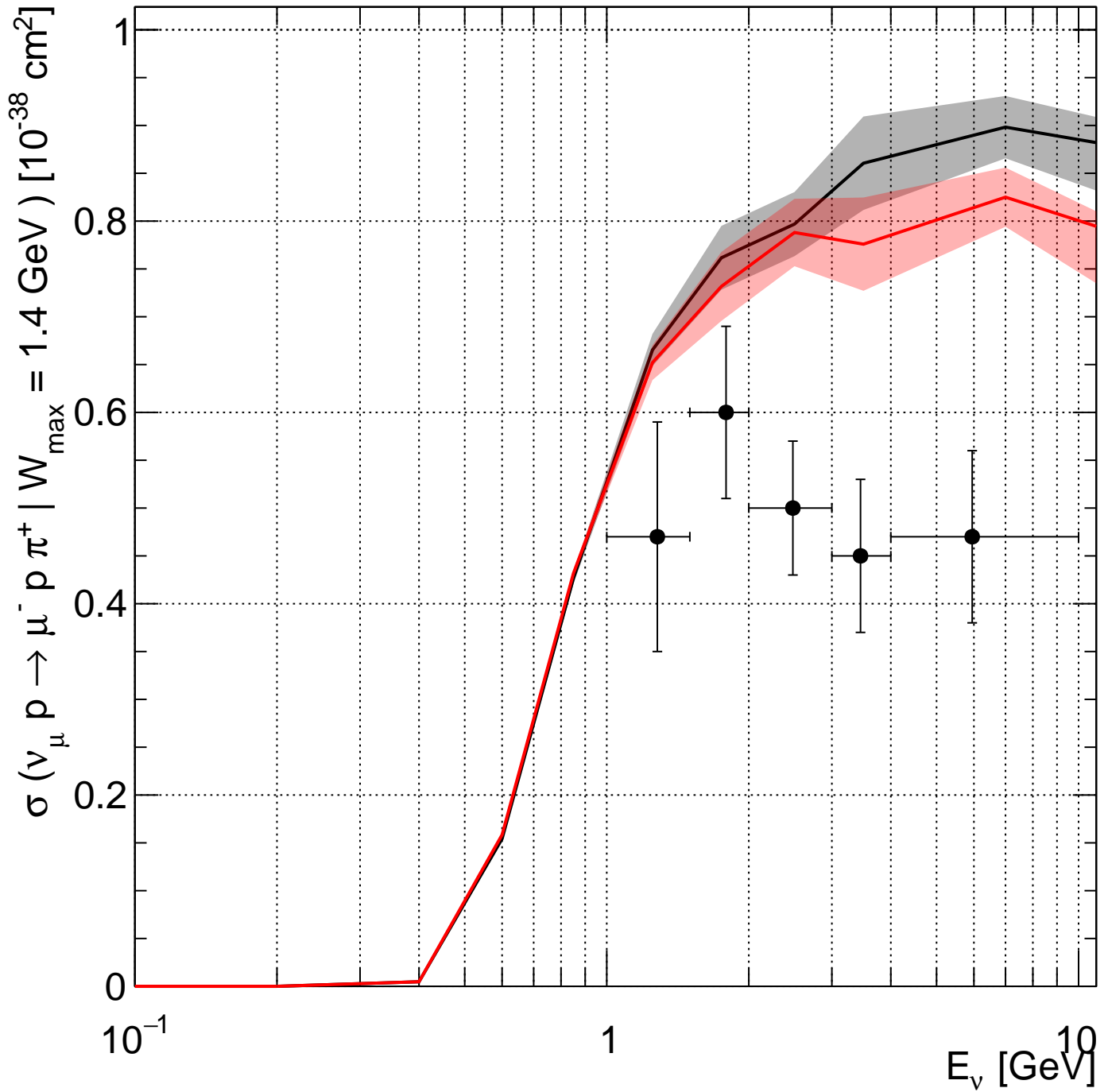
FNAL_15FT,0 [Bell et al., Phys.Rev.Lett.41:1008 (1978)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 4.07/3$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 1.81/3$ DoF



Gargamelle,4 [Lerche et al., Phys.Lett.B78:510 (1978)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 59.3/5$ DoF



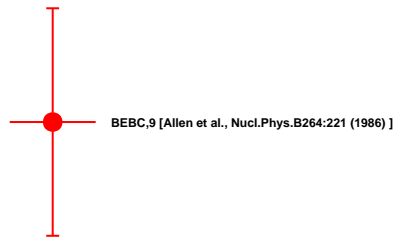
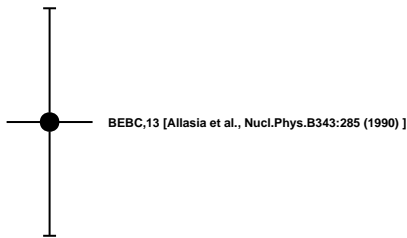
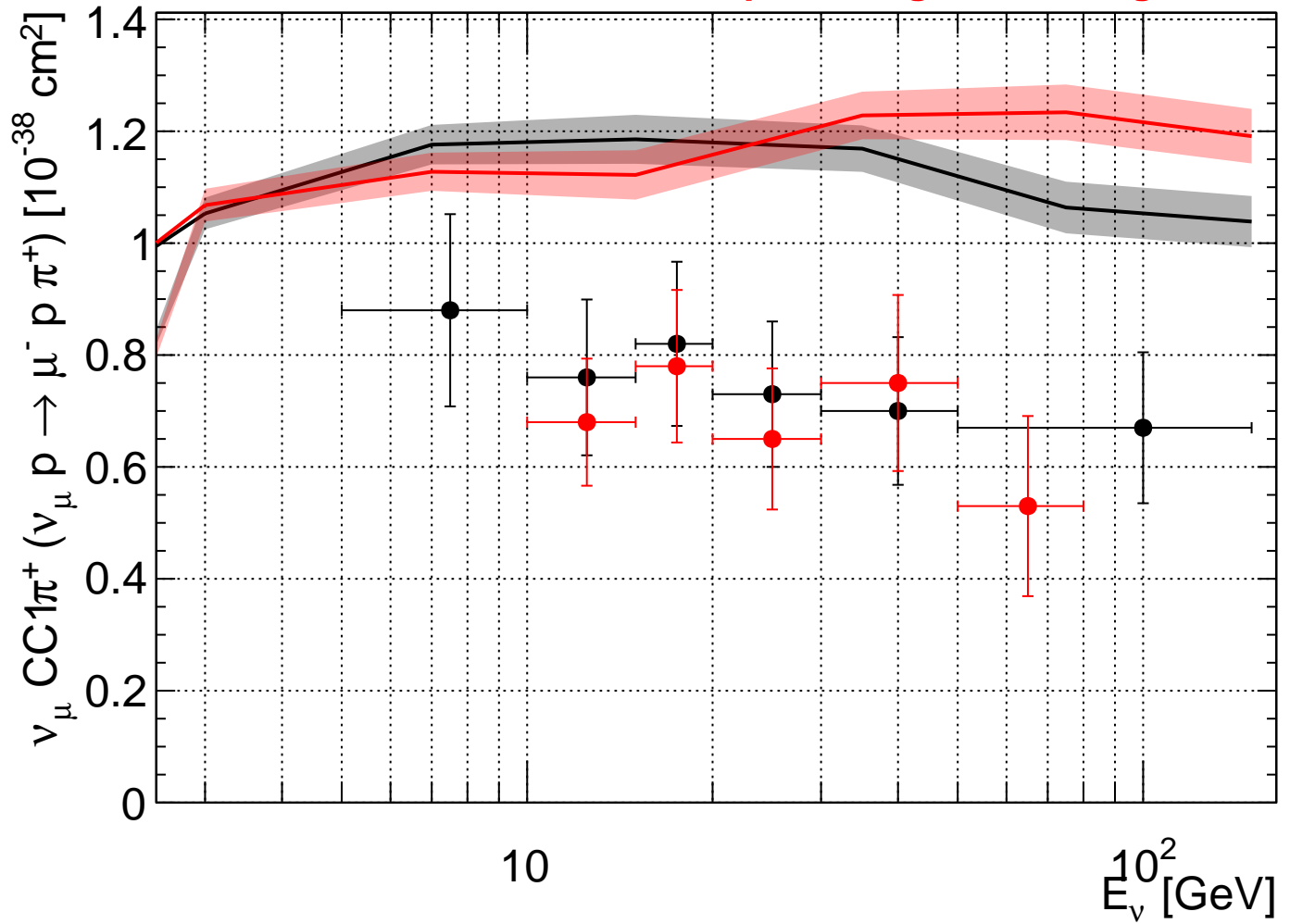
RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 43.6/5$ DoF

Dataset:
numuCCppi+_Wcut2

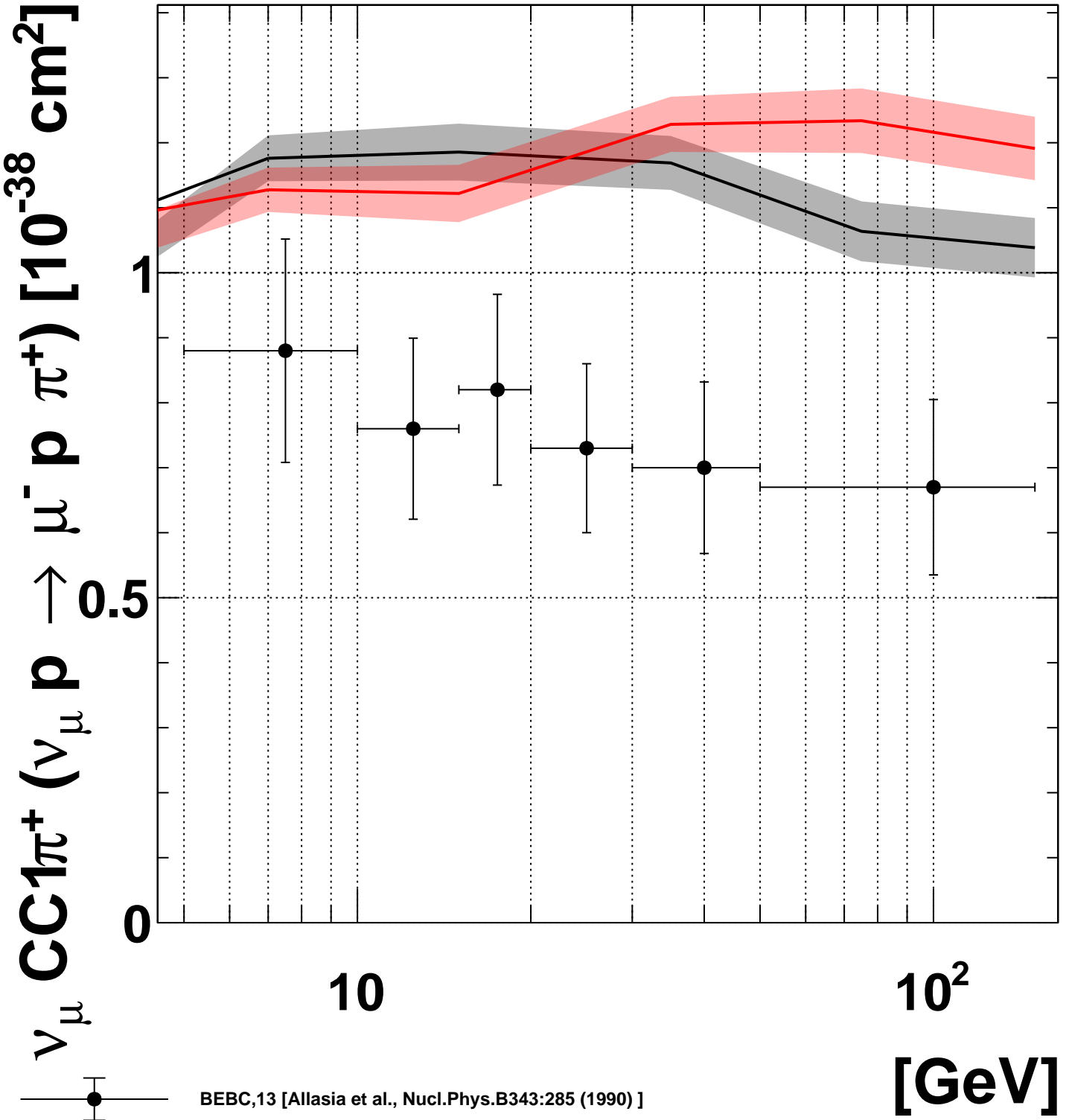
Models:
master/G18_02a_00_000 $\chi^2 = 41.7 / 11$ DoF
RESFix/G18_02a_00_000 $\chi^2 = 53.8 / 11$ DoF

Subsets:
BEBC,13 [Allasia et al., Nucl.Phys.B343:285 (1990)]
6 DoF, $\chi^2 = 16.6$ 25.4
BEBC,9 [Allen et al., Nucl.Phys.B264:221 (1986)]
5 DoF, $\chi^2 = 25.1$ 28.4

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master:G18_02a_00_000:numu_freenuc
RESFix:G18_02a_00_000:numu_freenuc



● —

BEBC,13 [Allasia et al., Nucl.Phys.B343:285 (1990)]

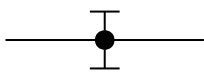
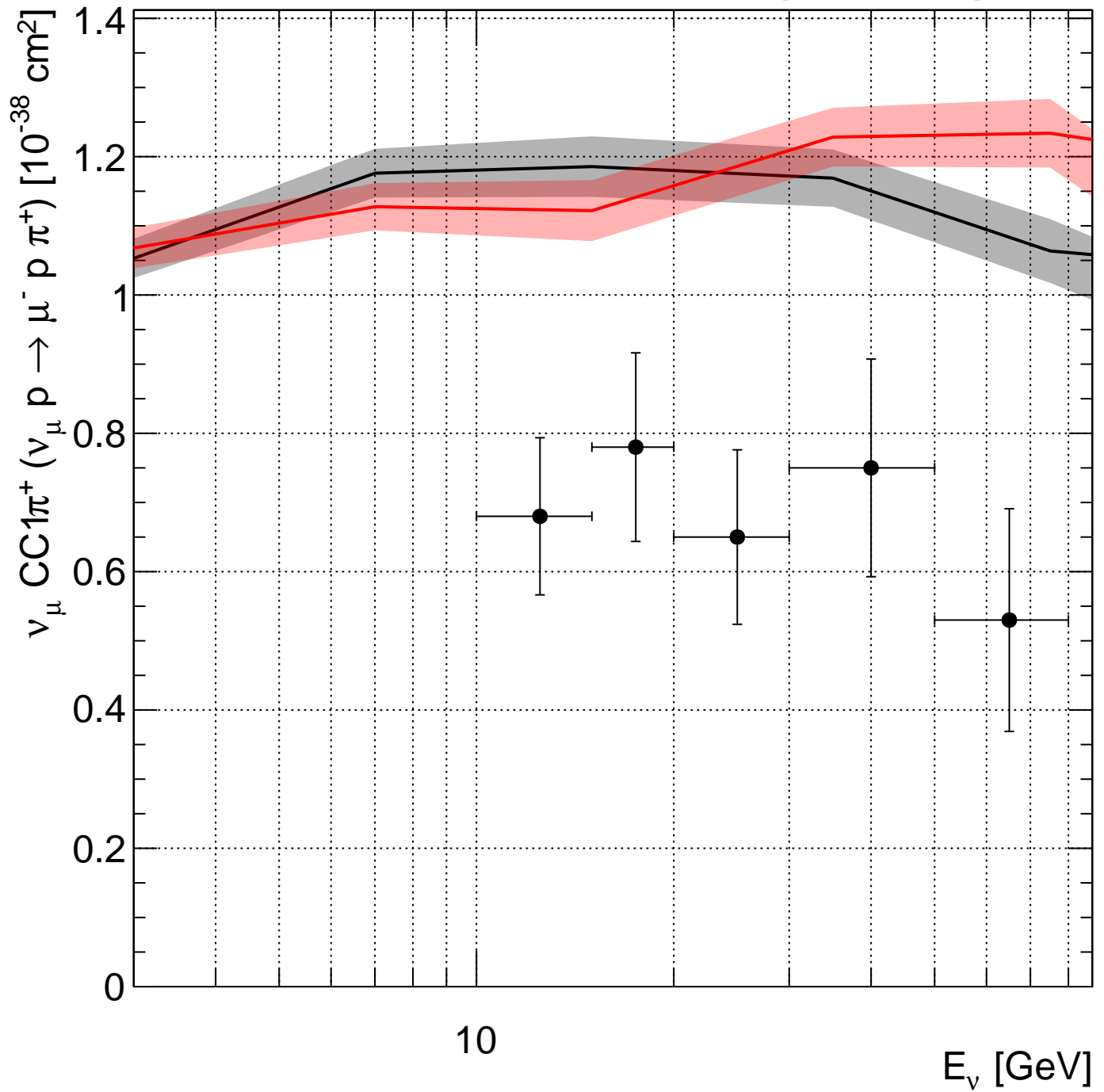
■ —

master:G18_02a_00_000:numu_freenuc $\chi^2 = 16.6/6$ DoF

■ —

RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 25.4/6$ DoF

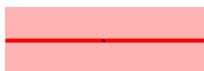
[GeV]



BEBC,9 [Allen et al., Nucl.Phys.B264:221 (1986)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 25.1/5$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 28.4/5$ DoF

Dataset:

numuCCppi+_SKAT,4

Ammosov et al., Sov.J.Nucl.Phys.50:67 (1988)

Models:

master/G18_02a_00_000 $\chi^2 = 10.9 / 5$ DoF

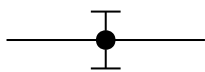
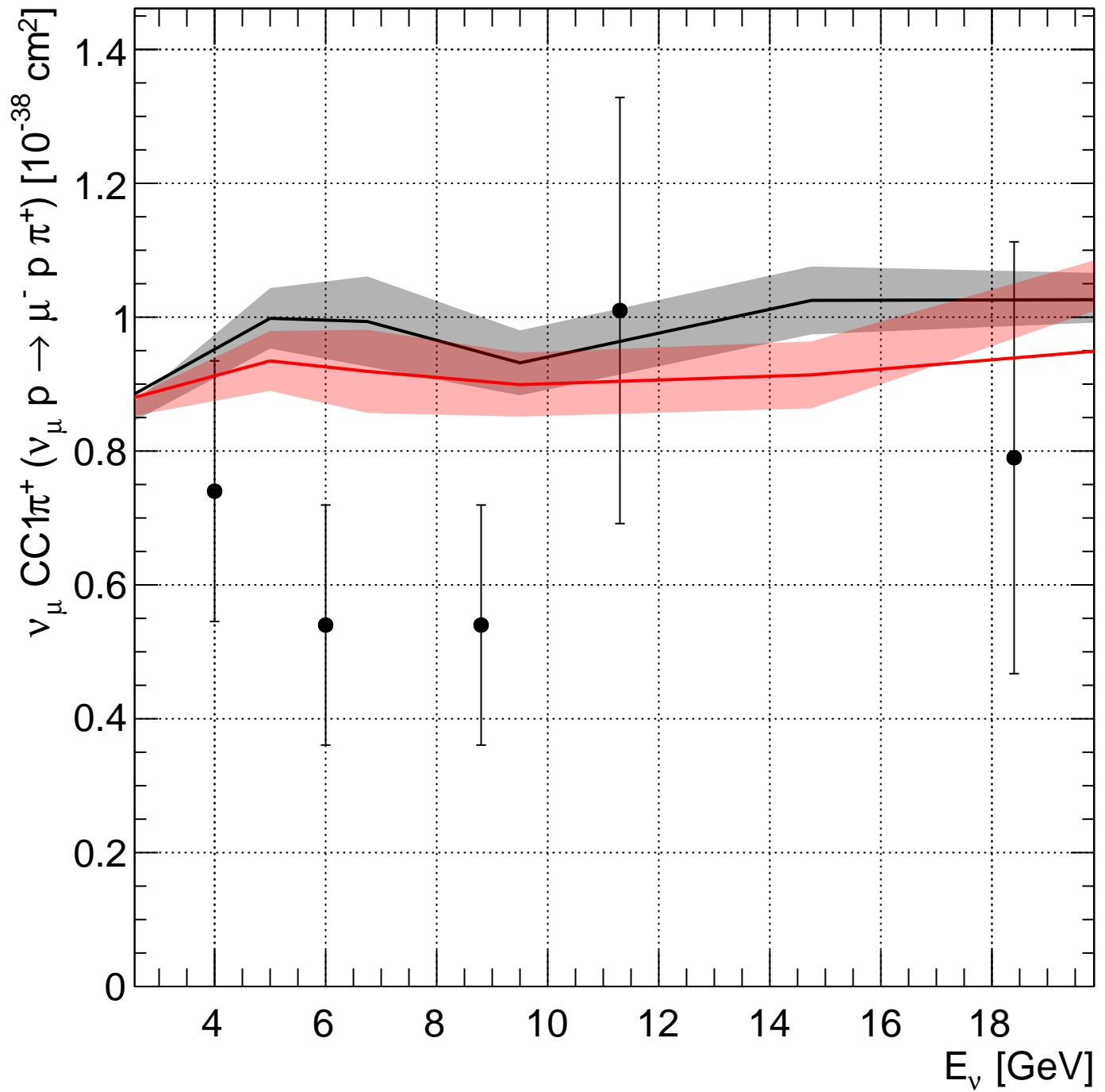
RESFix/G18_02a_00_000 $\chi^2 = 8.58 / 5$ DoF

Subset:

numuCCppi+_SKAT,4 [Ammosov et al., Sov.J.Nucl.Phys.50:67 (1988)]

5 DoF, $\chi^2 = 10.9$ **8.58**

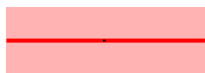
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numuCCppi+_SKAT,4 [Ammosov et al., Sov.J.Nucl.Phys.50:67 (1988)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 10.9/5$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 8.58/5$ DoF

Dataset:

numuCCppi+_SKAT,5

Grabosch et al., Zeit.Phys.C41:527 (1988)

Models:

master/G18_02a_00_000 $\chi^2 = 10.1 / 5$ DoF

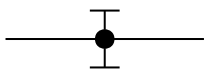
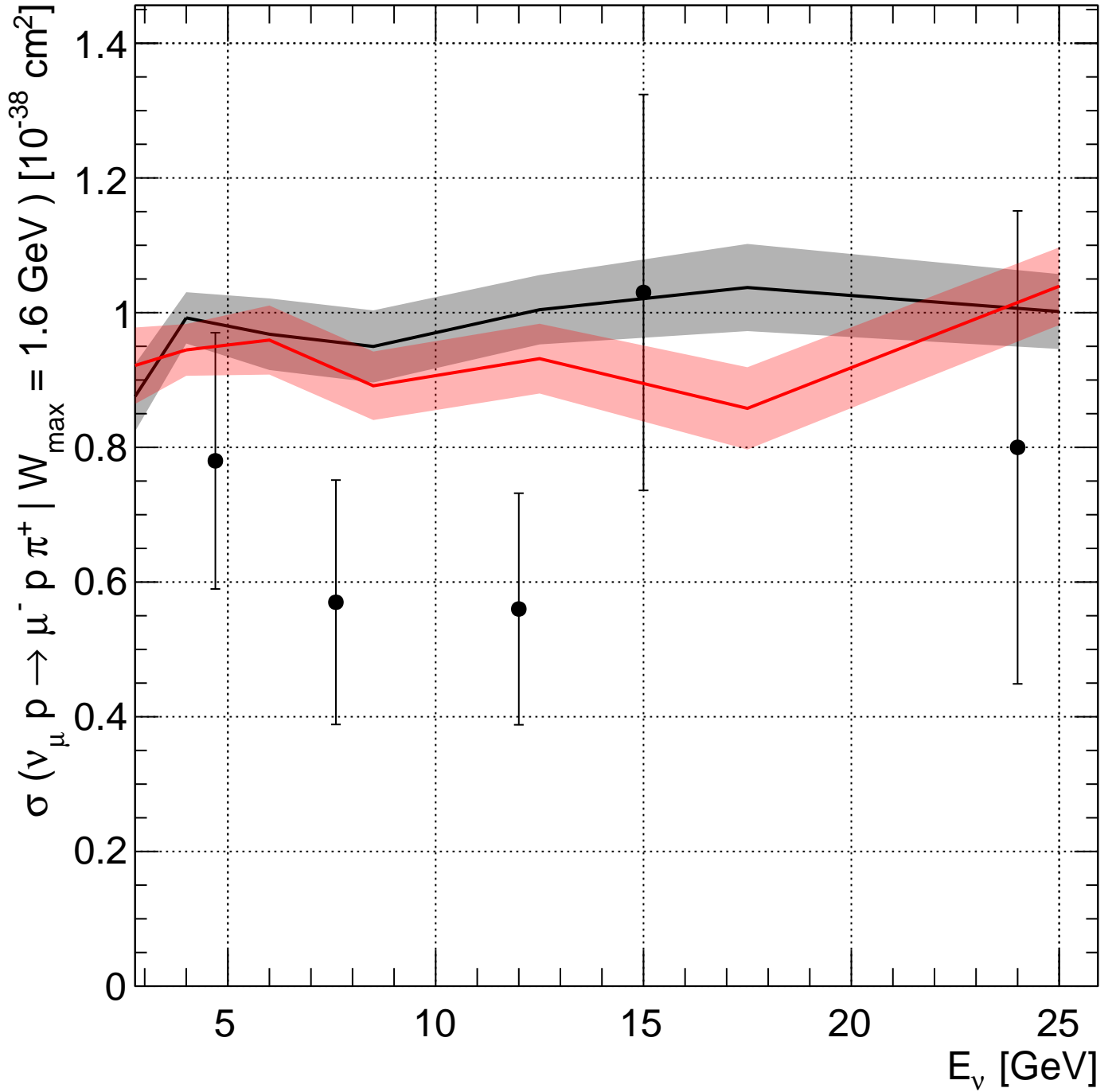
RESFix/G18_02a_00_000 $\chi^2 = 8.62 / 5$ DoF

Subset:

numuCCppi+_SKAT,5 [Grabosch et al., Zeit.Phys.C41:527 (1988)]

5 DoF, $\chi^2 = 10.1$ **8.62**

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numuCCppi+_SKAT,5 [Grabosch et al., Zeit.Phys.C41:527 (1988)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 10.1/5$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 8.62/5$ DoF

Dataset:

numuCCppi0_noPCut

Models:

master/G18_02a_00_000 $\chi^2 = 73.1 / 22$ DoF

RESFix/G18_02a_00_000 $\chi^2 = 62.5 / 22$ DoF

Subsets:

ANL_12FT,9 [Radecky et al., Phys.Rev.D25:1161 (1982)]

5 DoF, $\chi^2 = 6.4$ 8.74

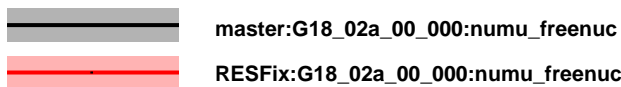
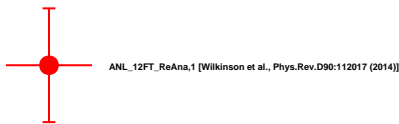
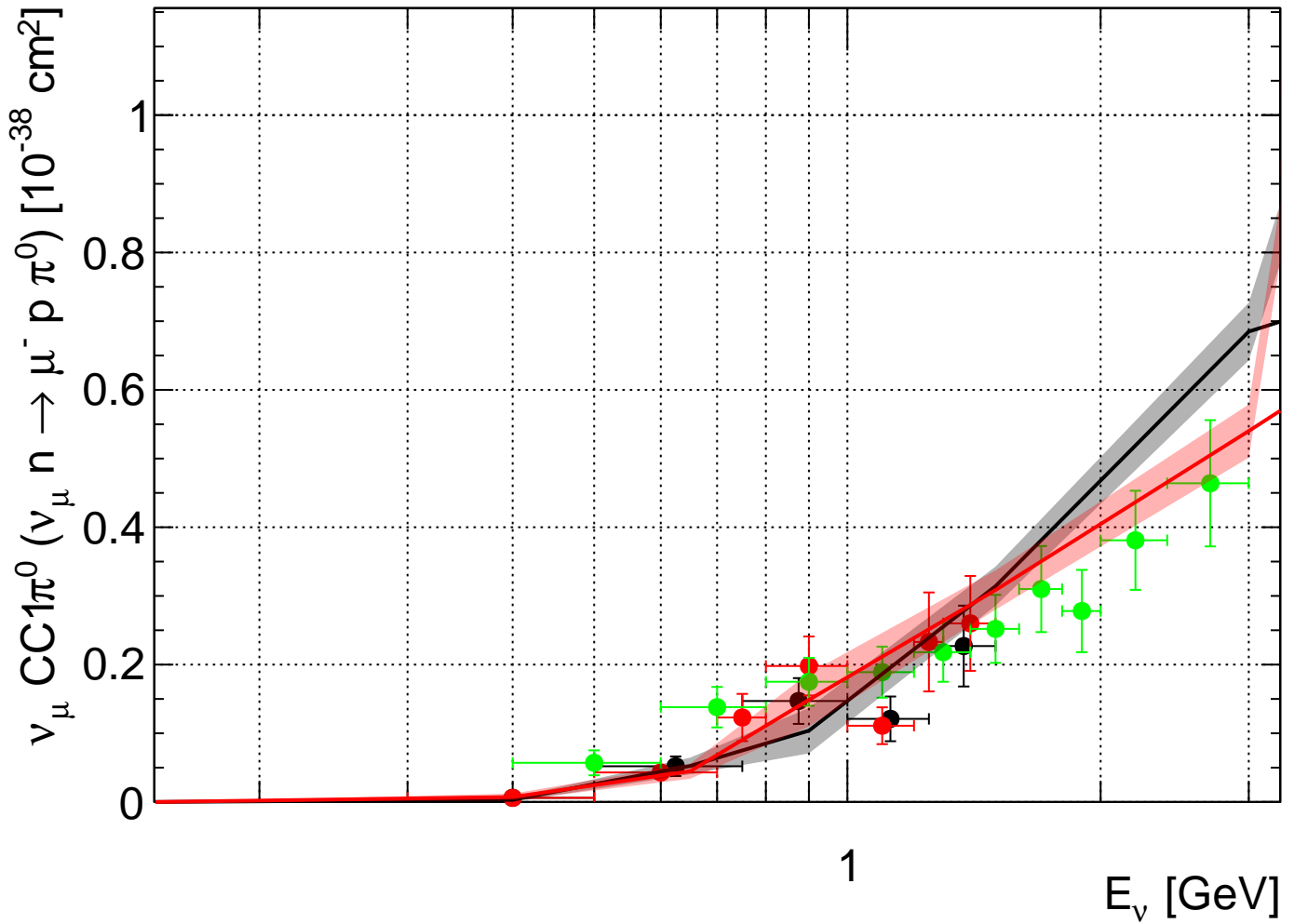
ANL_12FT_ReAna,1 [Wilkinson et al., Phys.Rev.D90:112017 (2014)]

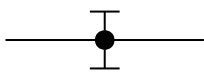
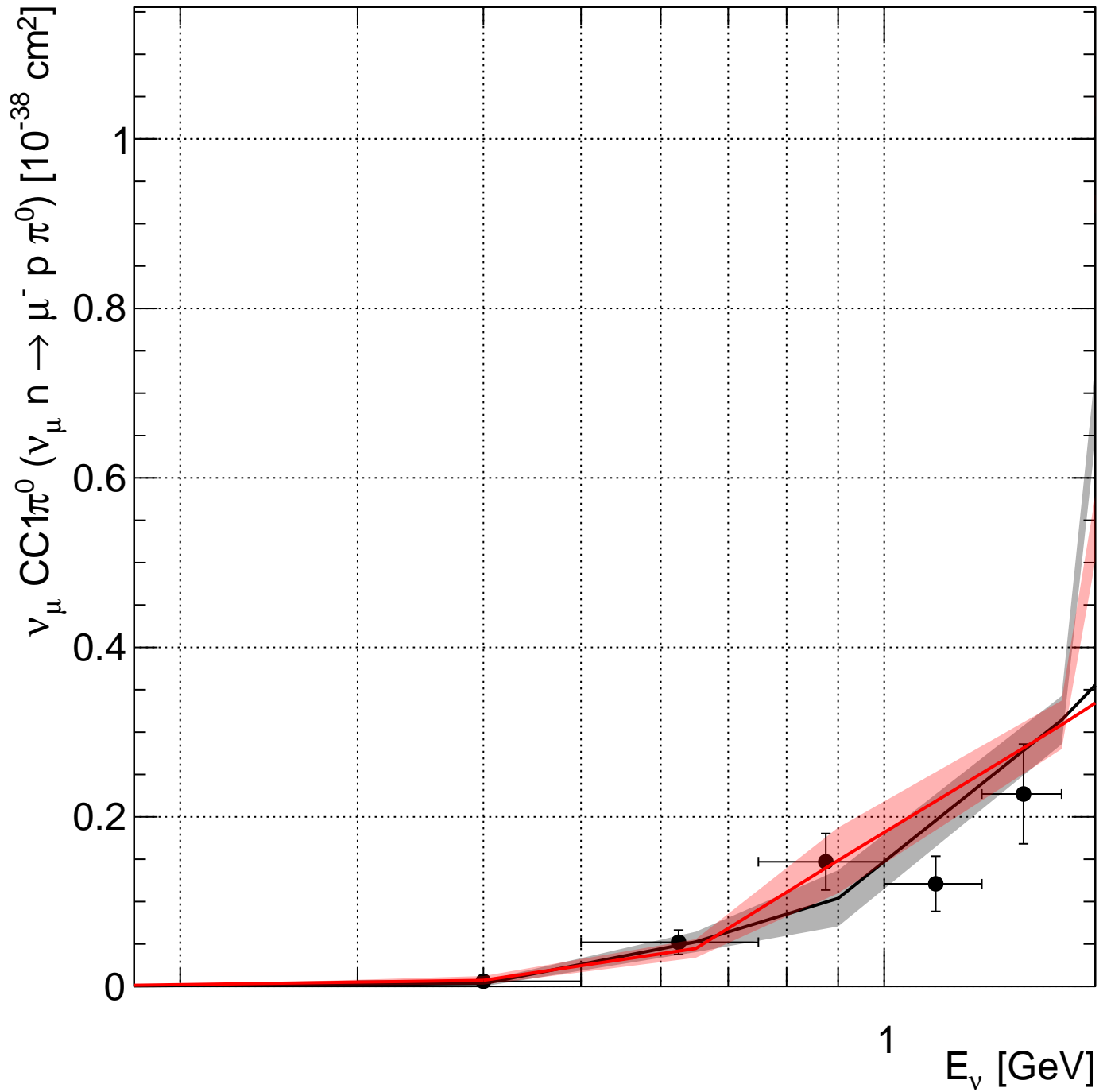
7 DoF, $\chi^2 = 17.1$ 19.8

BNL_7FT_ReAna,1 [Wilkinson et al., Phys.Rev.D90:112017 (2014)]

10 DoF, $\chi^2 = 49.6$ 33.9

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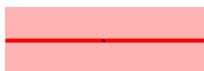




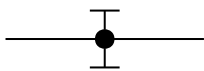
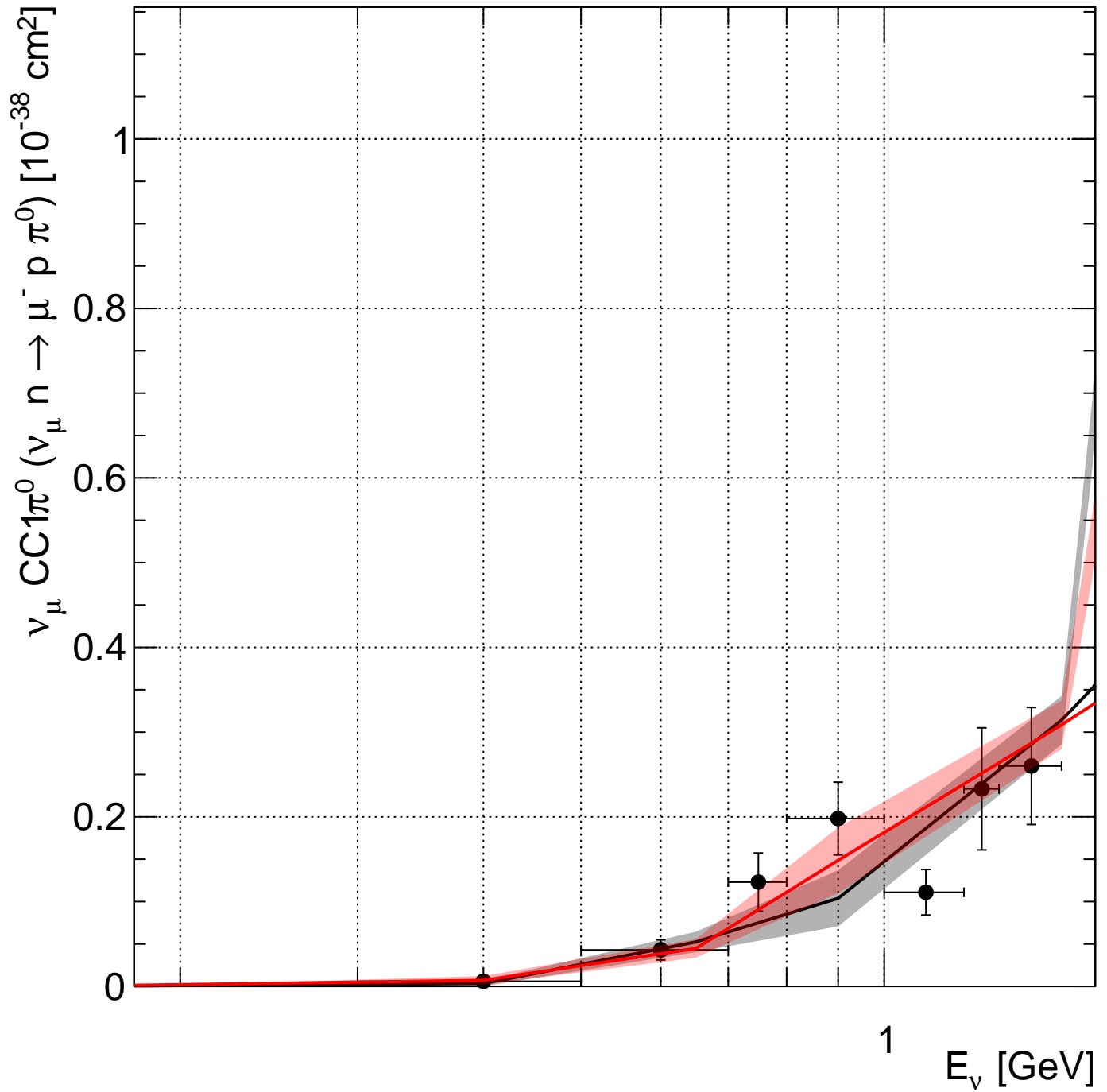
ANL_12FT,9 [Radecky et al., Phys.Rev.D25:1161 (1982)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 6.4/5$ DoF



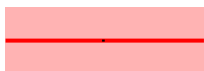
RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 8.74/5$ DoF



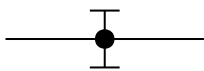
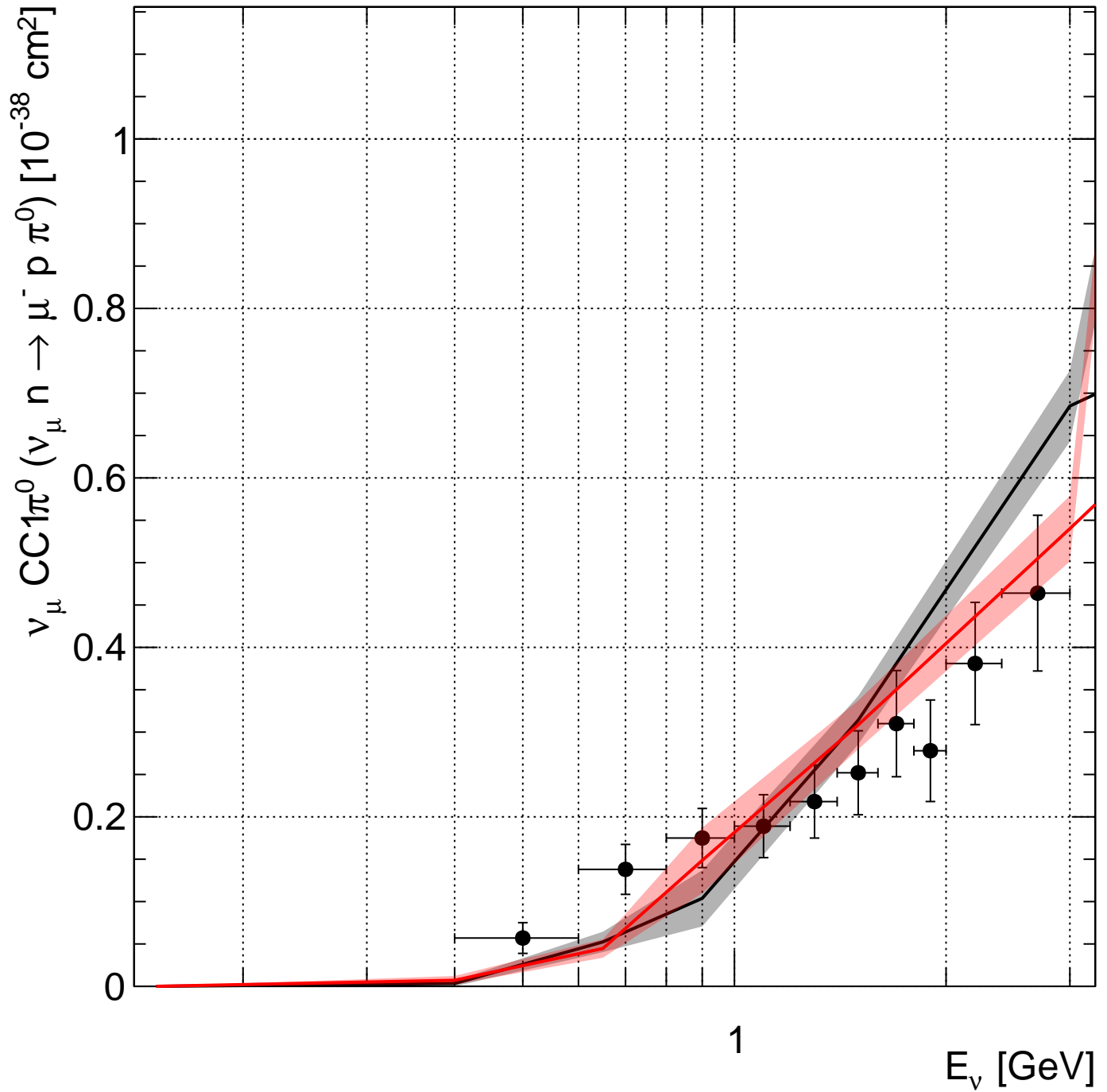
ANL_12FT_ReAna,1 [Wilkinson et al., Phys.Rev.D90:112017 (2014)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 17.1/7$ DoF



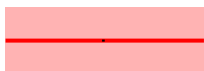
RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 19.8/7$ DoF



BNL_7FT_ReAna,1 [Wilkinson et al., Phys.Rev.D90:112017 (2014)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 49.6/10$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 33.9/10$ DoF

Dataset:

numuCCppi0_SKAT,6

Grabosch et al., Zeit.Phys.C41:527 (1988)

Models:

master/G18_02a_00_000 $\chi^2 = 66.6 / 6$ DoF

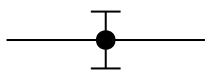
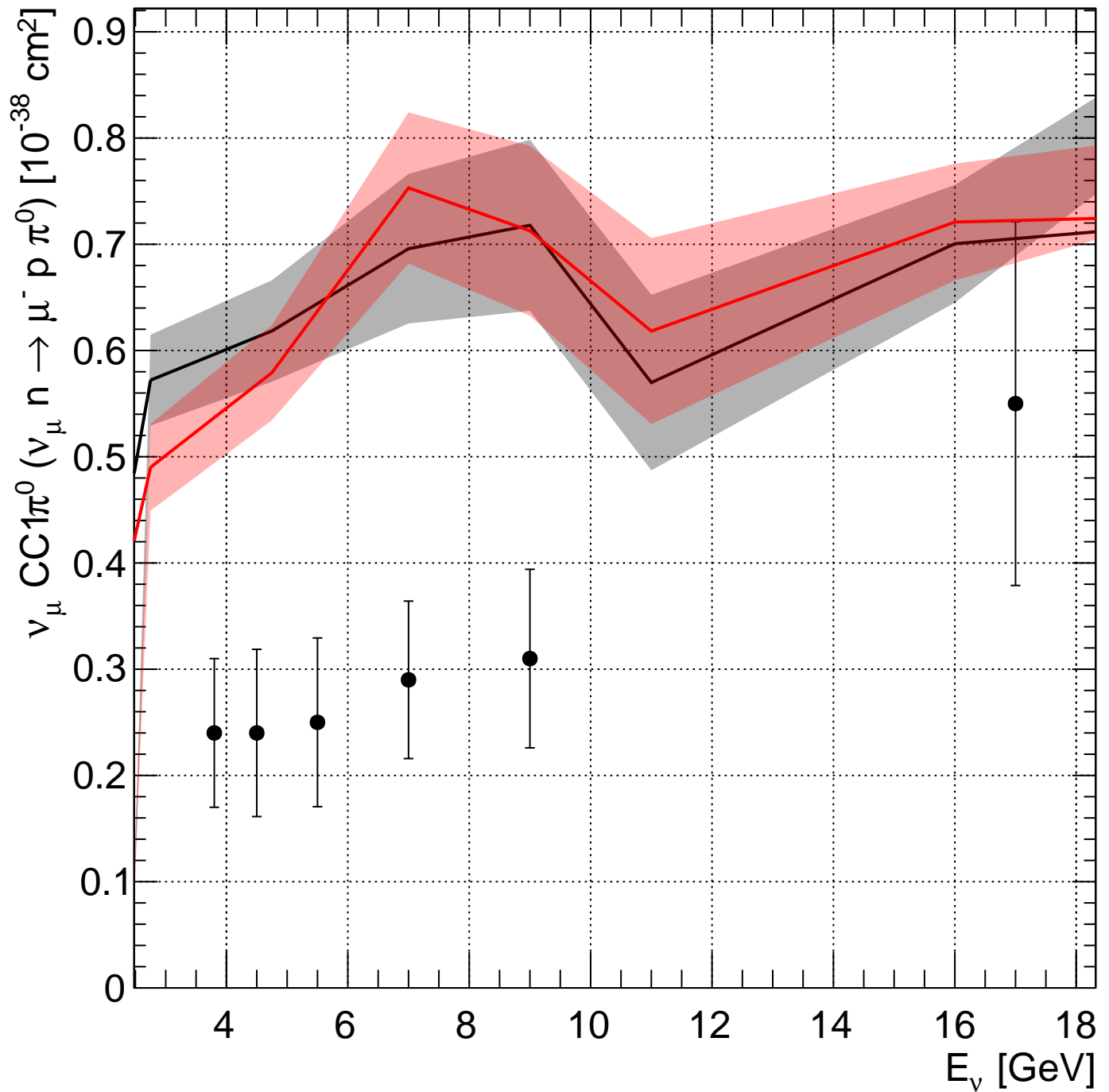
RESFix/G18_02a_00_000 $\chi^2 = 64.7 / 6$ DoF

Subset:

numuCCppi0_SKAT,6 [Grabosch et al., Zeit.Phys.C41:527 (1988)]

6 DoF, $\chi^2 = 66.6$ **64.7**

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numuCCppi0_SKAT,6 [Grabosch et al., Zeit.Phys.C41:527 (1988)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 66.6/6$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 64.7/6$ DoF

Dataset:

numuCCn2pi+_ANL_12FT,13

Day et al., Phys.Rev.D28:2714 (1983)

Models:

master/G18_02a_00_000 $\chi^2 = 8.06 / 5$ DoF

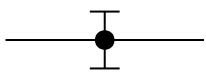
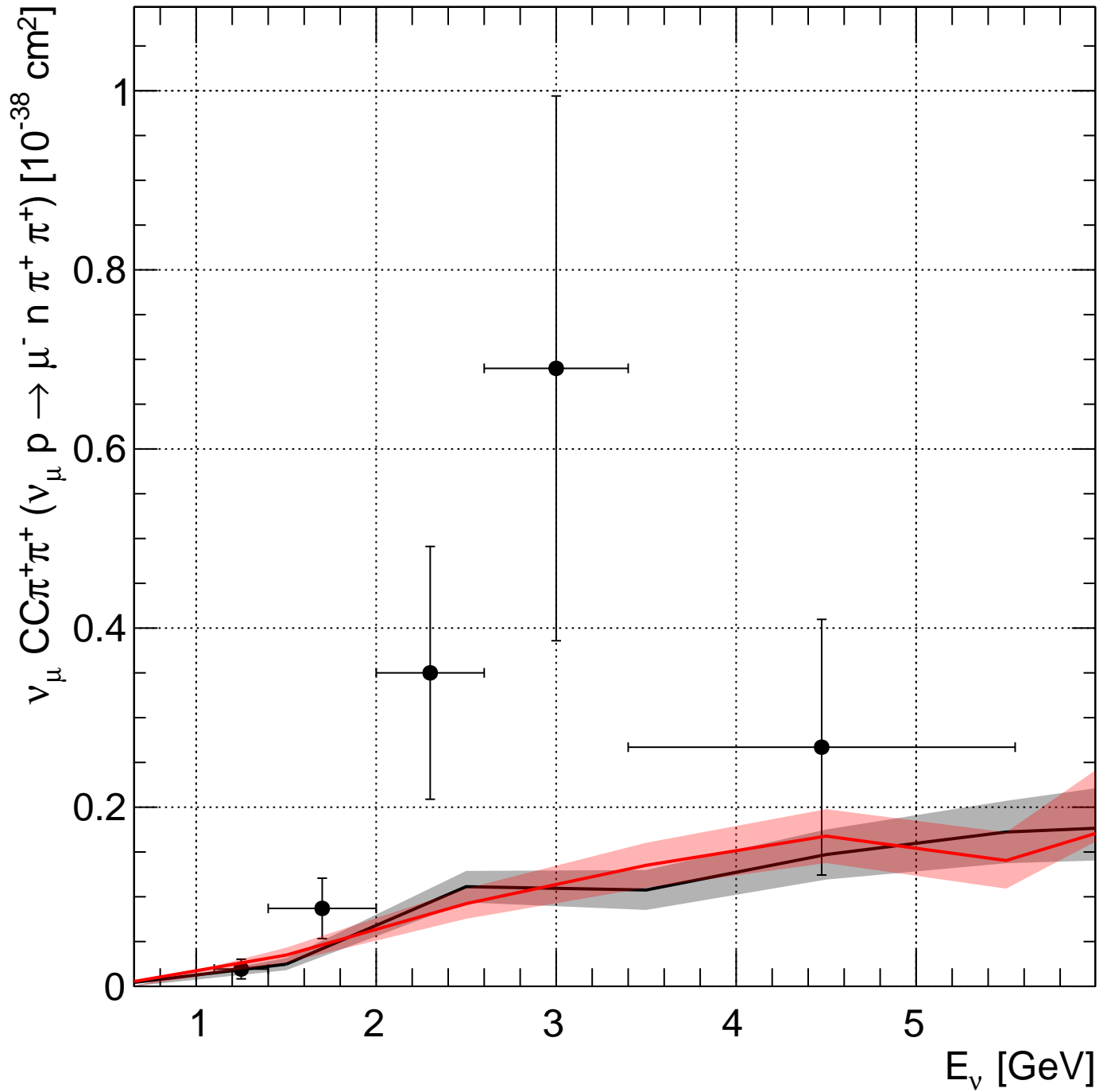
RESFix/G18_02a_00_000 $\chi^2 = 8.55 / 5$ DoF

Subset:

numuCCn2pi+_ANL_12FT,13 [Day et al., Phys.Rev.D28:2714 (1983)]

5 DoF, $\chi^2 = 8.06$ **8.55**

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numuCCn2pi+_ANL_12FT,13 [Day et al., Phys.Rev.D28:2714 (1983)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 8.06/5$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 8.55/5$ DoF

Dataset:

numuCCppi+pi0_ANL_12FT,12

Day et al., Phys.Rev.D28:2714 (1983)

Models:

master/G18_02a_00_000 $\chi^2 = 4.3 / 5$ DoF

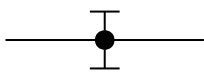
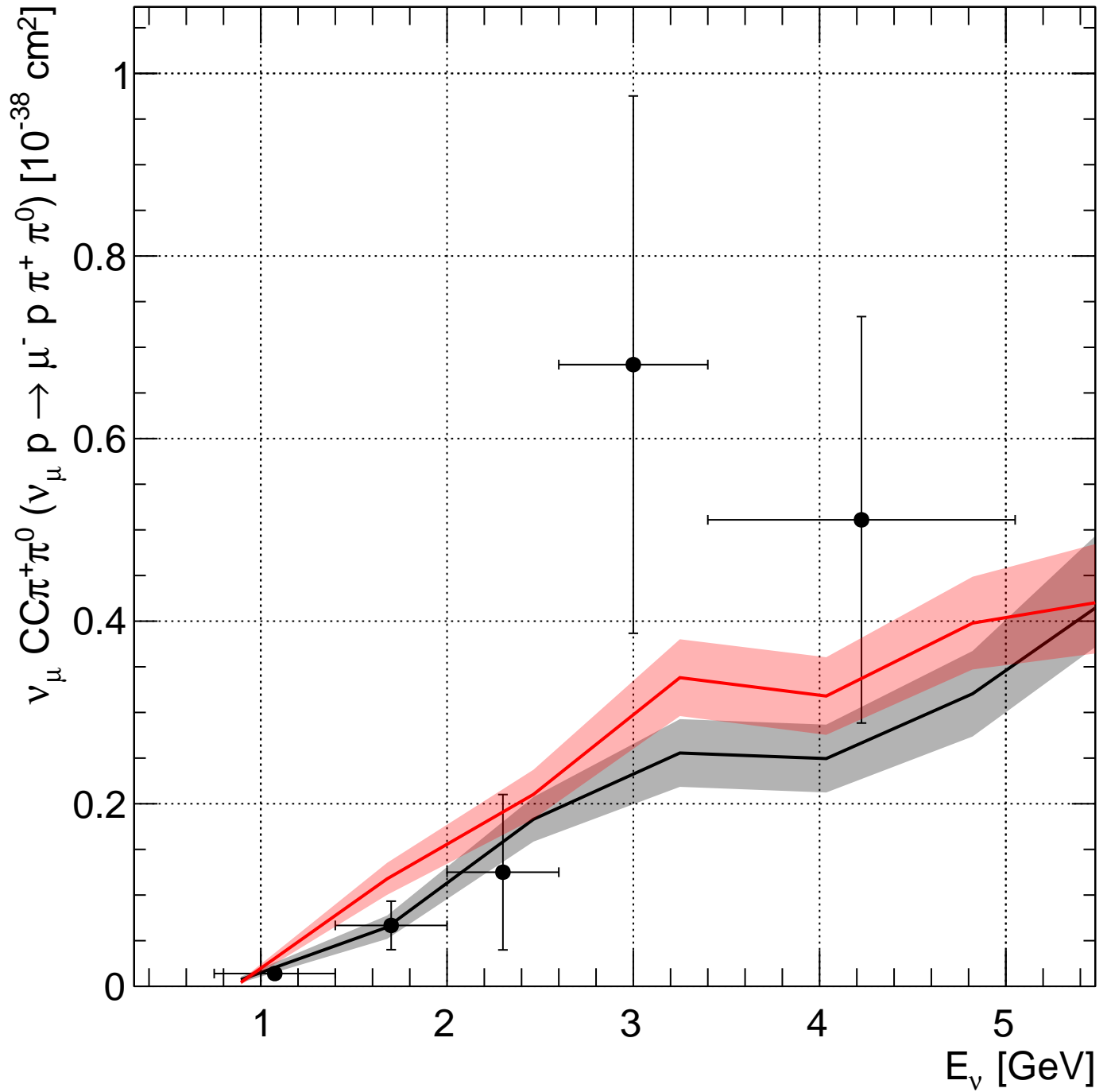
RESFix/G18_02a_00_000 $\chi^2 = 8.84 / 5$ DoF

Subset:

numuCCppi+pi0_ANL_12FT,12 [Day et al., Phys.Rev.D28:2714 (1983)]

5 DoF, $\chi^2 = 4.3$ **8.84**

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numuCCppi+pi0_ANL_12FT,12 [Day et al., Phys.Rev.D28:2714 (1983)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 4.3/5$ DoF



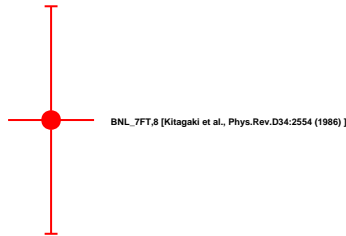
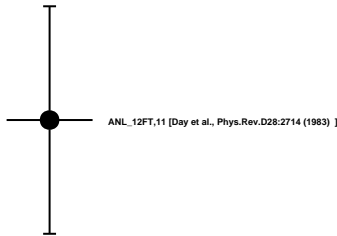
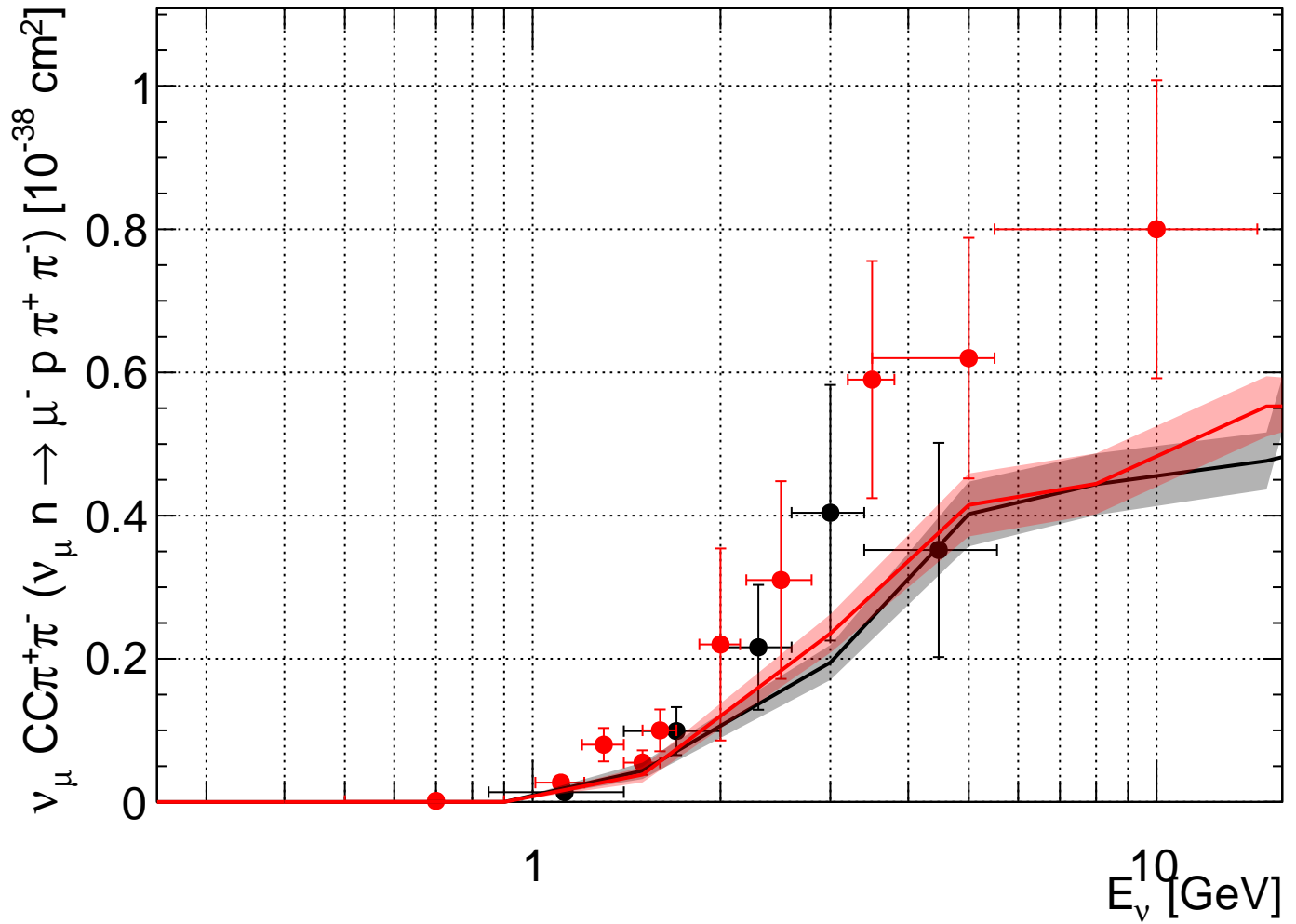
RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 8.84/5$ DoF

Dataset:
numuCCppi+pi-_all

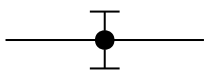
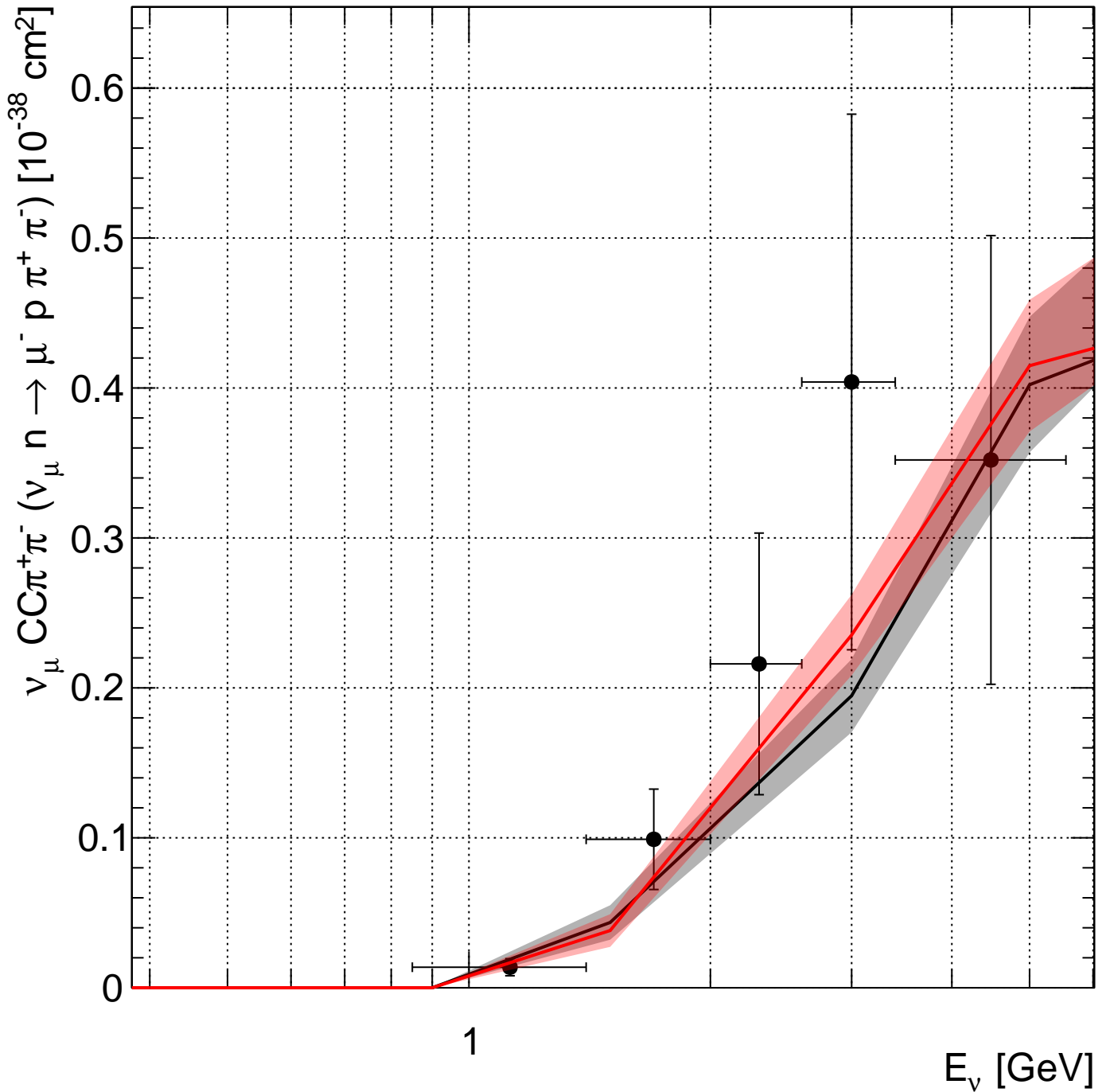
Models:
master/G18_02a_00_000 $\chi^2 = 18.4 / 15$ DoF
RESFix/G18_02a_00_000 $\chi^2 = 18.7 / 15$ DoF

Subsets:
ANL_12FT,11 [Day et al., Phys.Rev.D28:2714 (1983)]
5 DoF, $\chi^2 = 8.87$ **8.93**
BNL_7FT,8 [Kitagaki et al., Phys.Rev.D34:2554 (1986)]
10 DoF, $\chi^2 = 9.53$ **9.77**

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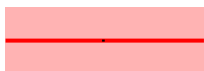
master:G18_02a_00_000:numu_freenuc
RESFix:G18_02a_00_000:numu_freenuc



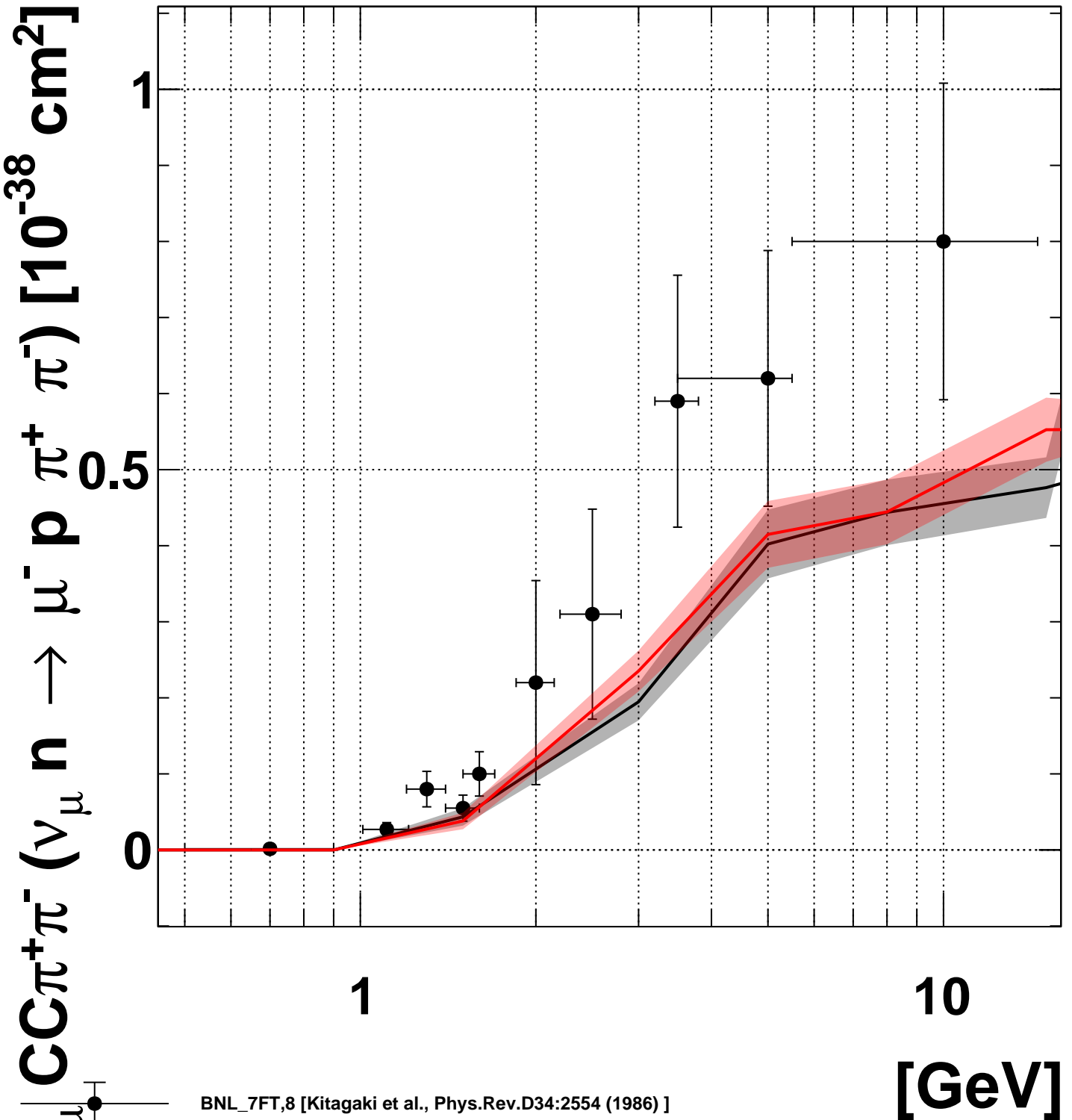
ANL_12FT,11 [Day et al., Phys.Rev.D28:2714 (1983)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 8.87/5$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 8.93/5$ DoF



ν_μ

BNL_7FT,8 [Kitagaki et al., Phys.Rev.D34:2554 (1986)]

master:G18_02a_00_000:numu_freenuc $\chi^2 = 9.53/10$ DoF

RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 9.77/10$ DoF

Dataset:

numubarCCnpi-_Gargamelle,7

Bolognese et al., Phys.Lett.B81:393 (1979)

Models:

master/G18_02a_00_000 $\chi^2 = 48.9 / 5$ DoF

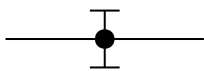
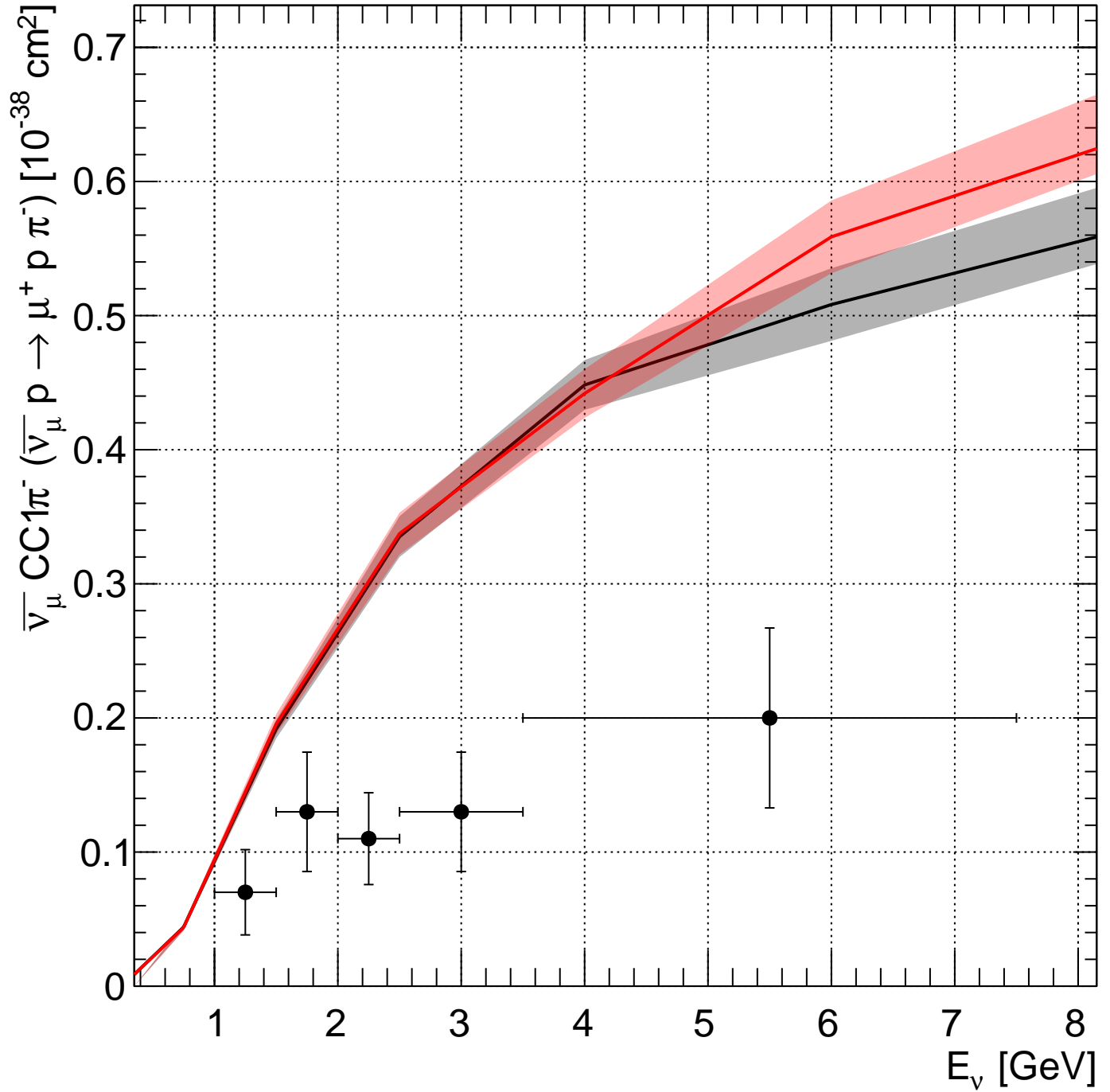
RESFix/G18_02a_00_000 $\chi^2 = 51.6 / 5$ DoF

Subset:

numubarCCnpi-_Gargamelle,7 [Bolognese et al., Phys.Lett.B81:393 (1979)]

5 DoF, $\chi^2 = 48.9$ **51.6**

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numubarCCnpi-_Gargamelle,7 [Bolognaese et al., Phys.Lett.B81:393 (1979)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 48.9/5$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 51.6/5$ DoF

Dataset:

numubarCCnpi-_SKAT,10

Grabosch et al., Zeit.Phys.C41:527 (1988)

Models:

master/G18_02a_00_000 $\chi^2 = 14.4 / 2$ DoF

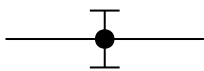
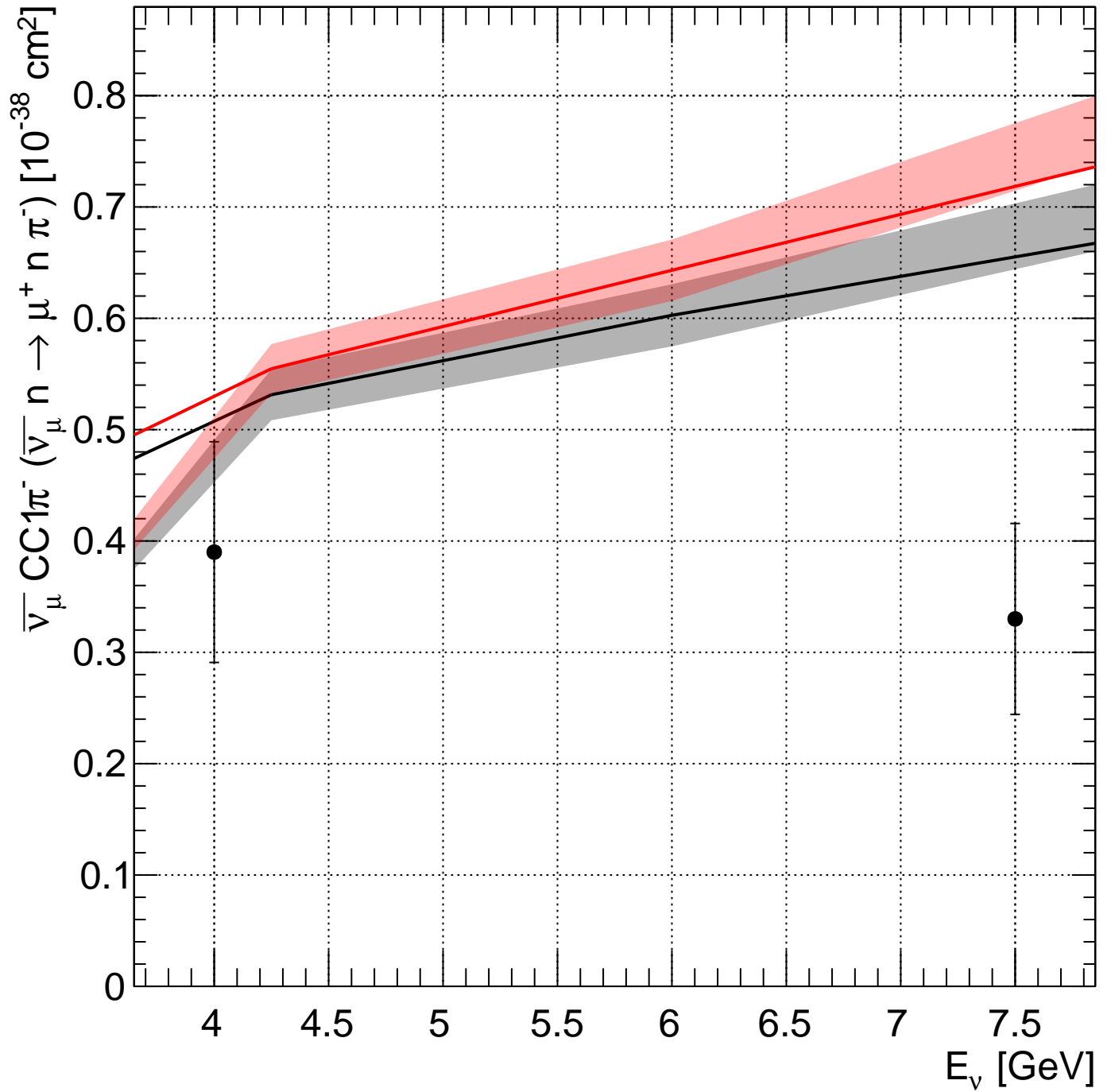
RESFix/G18_02a_00_000 $\chi^2 = 20.6 / 2$ DoF

Subset:

numubarCCnpi-_SKAT,10 [Grabosch et al., Zeit.Phys.C41:527 (1988)]

2 DoF, $\chi^2 = 14.4$ **20.6**

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numubarCCnpi_SKAT,10 [Grabosch et al., Zeit.Phys.C41:527 (1988)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 14.4/2$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 20.6/2$ DoF

Dataset:

numubarCCppi-_FNAL_15FT,10

Barish et al., Phys.Lett.B91:161 (1980)

Models:

master/G18_02a_00_000 $\chi^2 = 77 / 1$ DoF

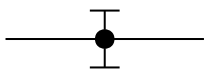
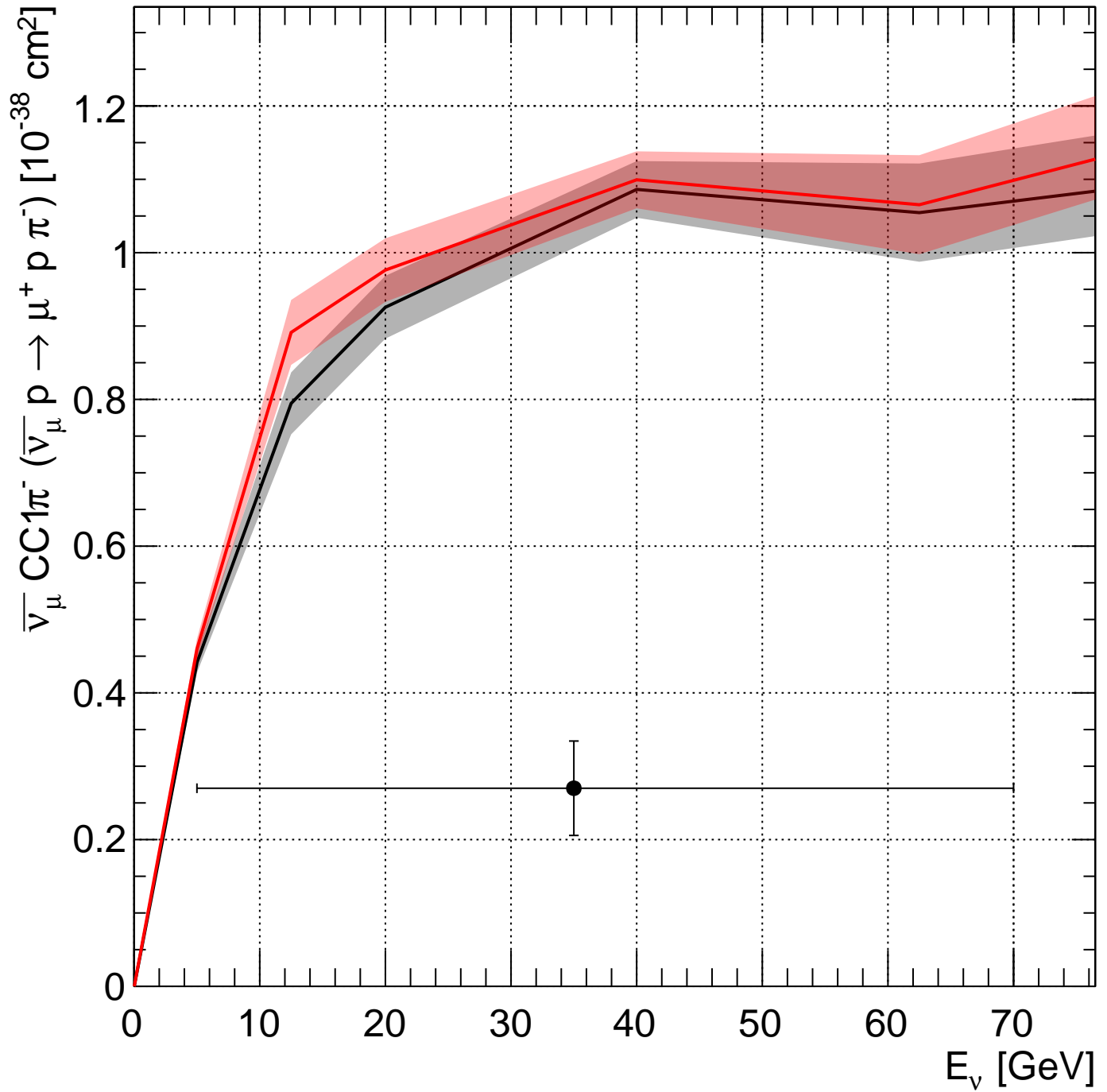
RESFix/G18_02a_00_000 $\chi^2 = 86.9 / 1$ DoF

Subset:

numubarCCppi-_FNAL_15FT,10 [Barish et al., Phys.Lett.B91:161 (1980)]

1 DoF, $\chi^2 = 77$ **86.9**

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numubarCCppi_FNAL_15FT,10 [Barish et al., Phys.Lett.B91:161 (1980)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 77/1$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 86.9/1$ DoF

Dataset:

numubarCCppi-_SKAT,11

Grabosch et al., Zeit.Phys.C41:527 (1988)

Models:

master/G18_02a_00_000 $\chi^2 = 40.3 / 5$ DoF

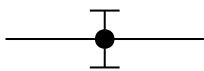
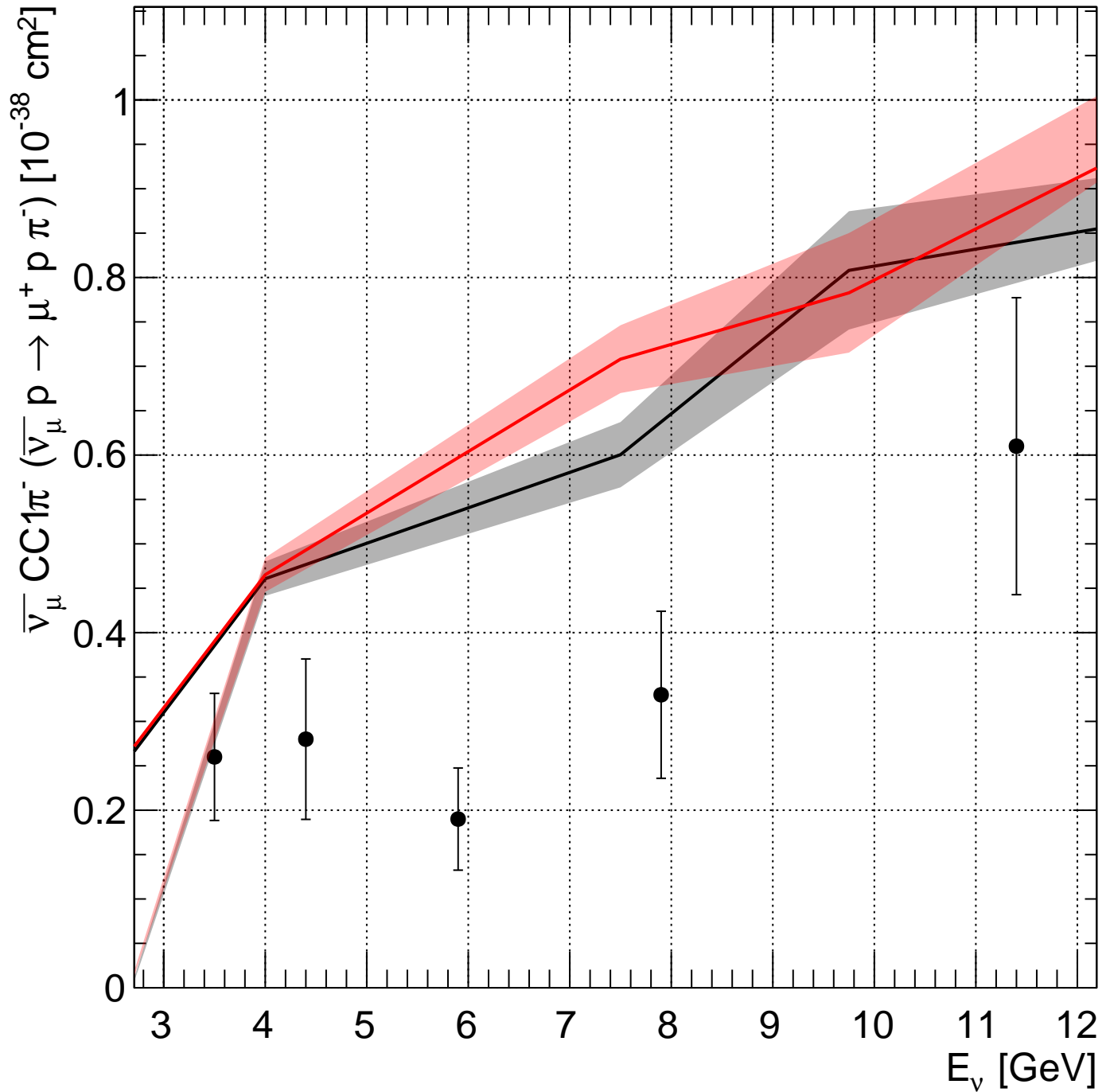
RESFix/G18_02a_00_000 $\chi^2 = 57.1 / 5$ DoF

Subset:

numubarCCppi-_SKAT,11 [Grabosch et al., Zeit.Phys.C41:527 (1988)]

5 DoF, $\chi^2 = 40.3$ 57.1

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numubarCCppi_SKAT,11 [Grabosch et al., Zeit.Phys.C41:527 (1988)]



master:G18_02a_00_000:numu_freenuc $\chi^2 = 40.3/5$ DoF



RESFix:G18_02a_00_000:numu_freenuc $\chi^2 = 57.1/5$ DoF

