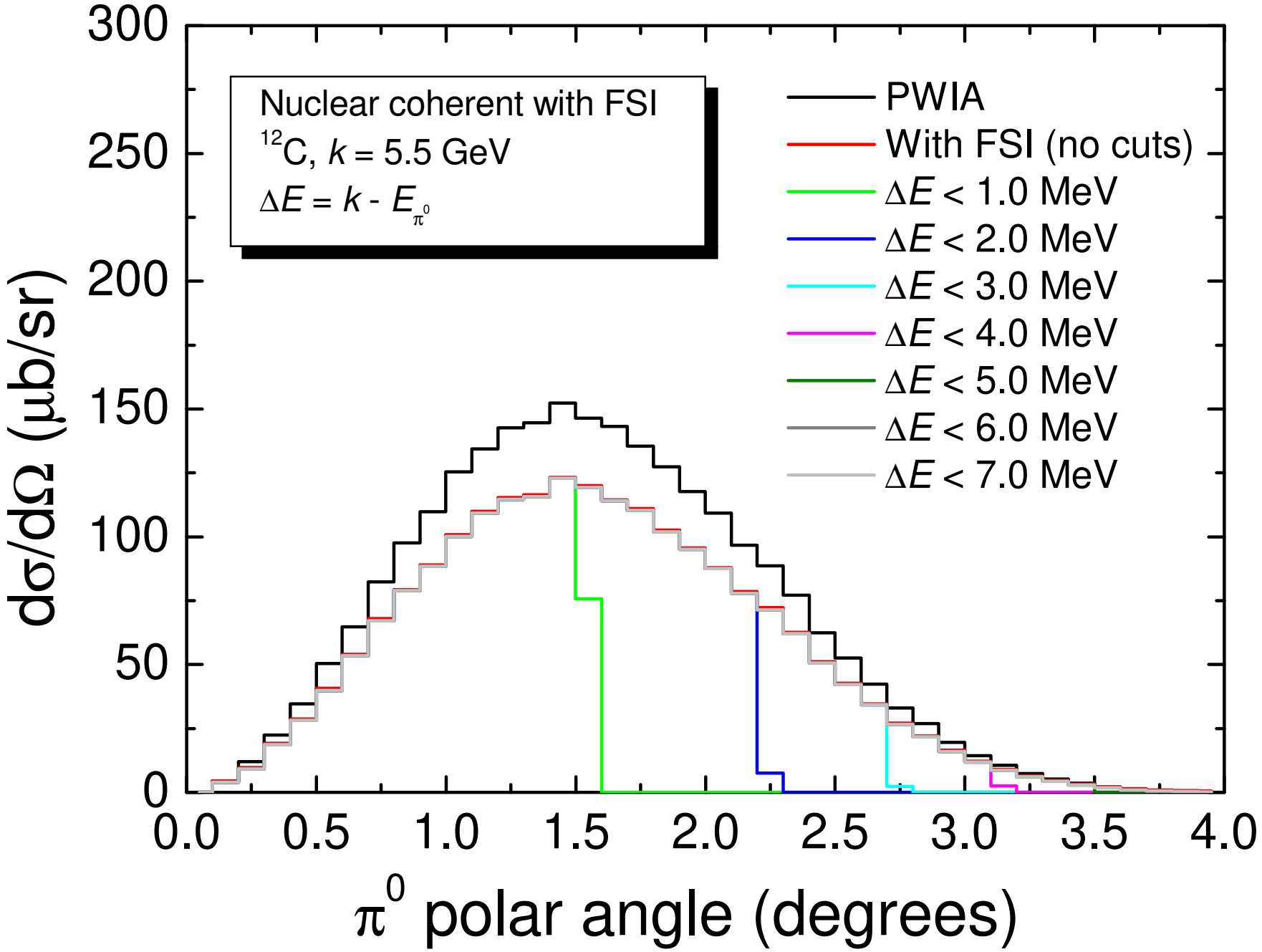
Nuclear coherent with FSI
$^{12}$C, $k$ = 5.5 GeV
$\Delta E = k - E_{\pi^0}$
PWIA
With FSI (no cuts)
$\Delta E$ < 1.0 MeV
$\Delta E$ < 2.0 MeV
$\Delta E$ < 3.0 MeV
$\Delta E$ < 4.0 MeV
$\Delta E$ < 5.0 MeV
$\Delta E$ < 6.0 MeV
$\Delta E$ < 7.0 MeV
dσ/dΩ (μb/sr)
0
50
100
150
200
250
300
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
$\pi^0$ polar angle (degrees)