

Report from Italy

Aldo Morselli, Andrea Lionetto, Alessandro Cesarini and
discussion with Piero Ullio

Total photon spectrum from the galactic center from $\chi\chi$ ann.

MSSM

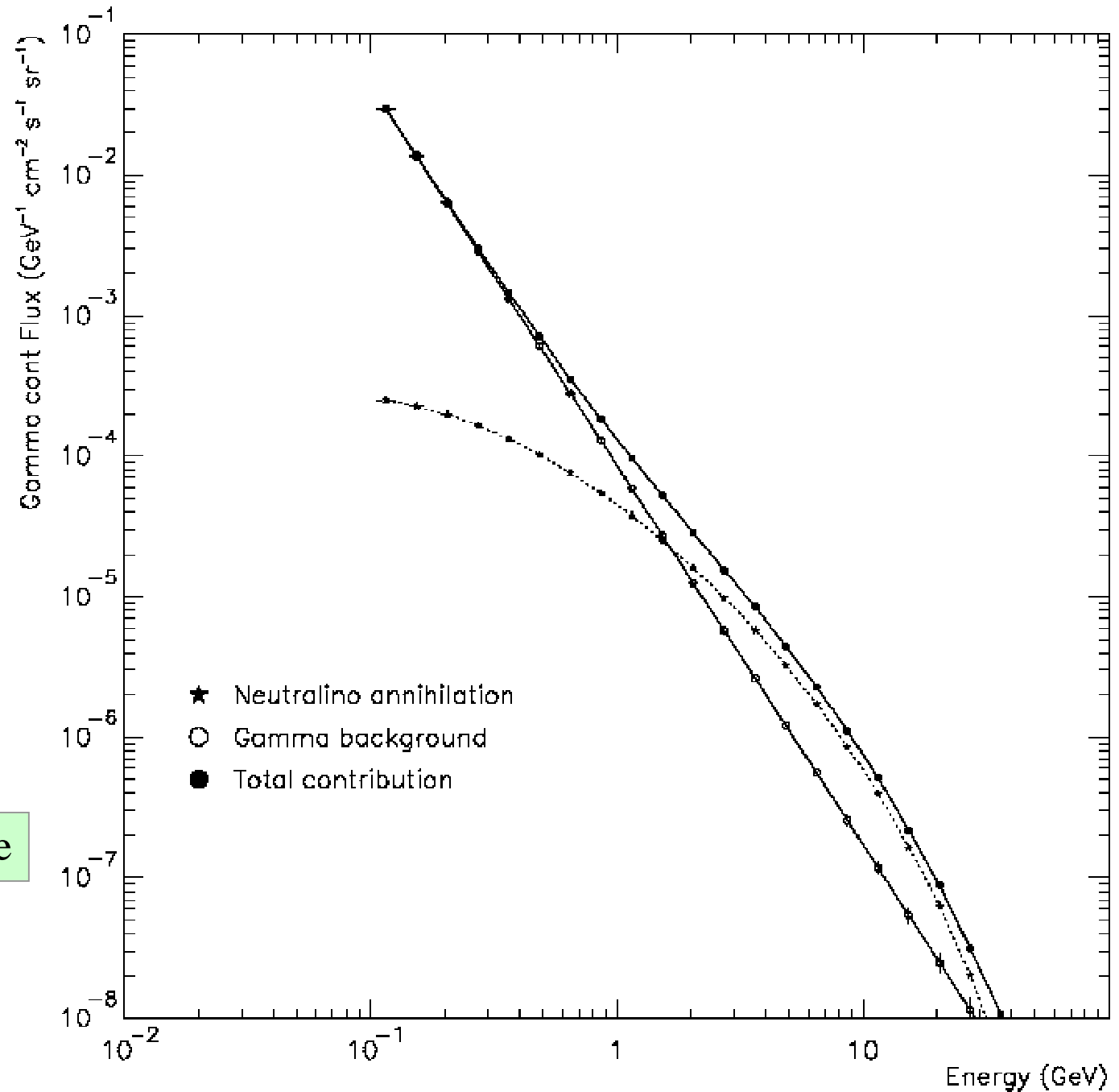
$$A_0 = 0$$

$$\mu > 0$$

$$m_t = 174 \text{ GeV}$$

$$\tan \beta = 10$$

Fixed NFW Halo profile



of photons
from the
galactic
center from
 $\chi\chi$ ann.:
an example

two years

$$\Delta\Omega=10^{-3}\text{sr}$$

MSSM

$$A_0 = 0$$

$$\mu = 100$$

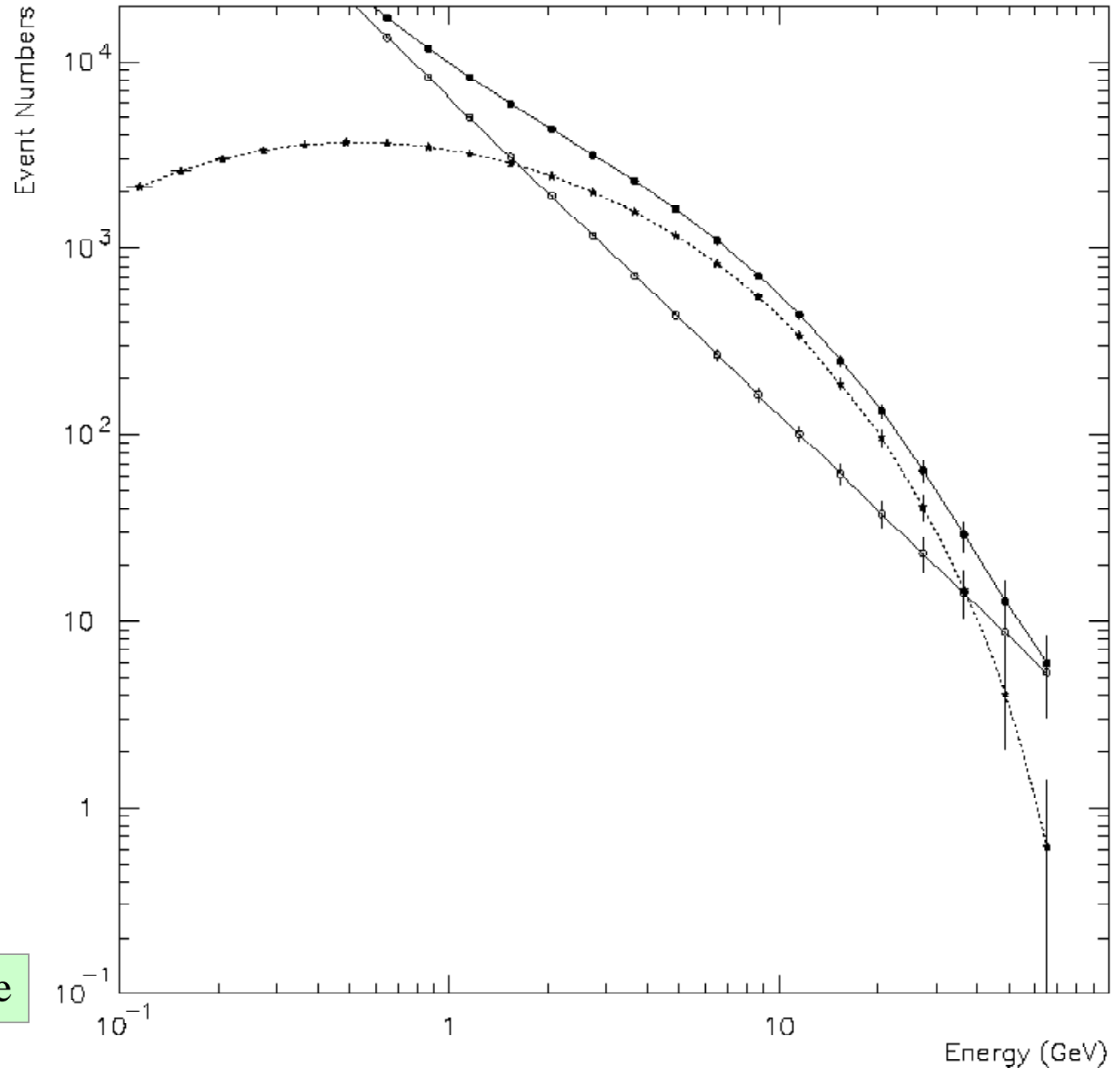
$$m_t = 174 \text{ GeV}$$

$$\tan \beta = 10$$

$$m_0 = 800$$

$$m_{1/2} = 3300$$

Fixed NFW Halo profile



Problems (as discussed with Ullio)

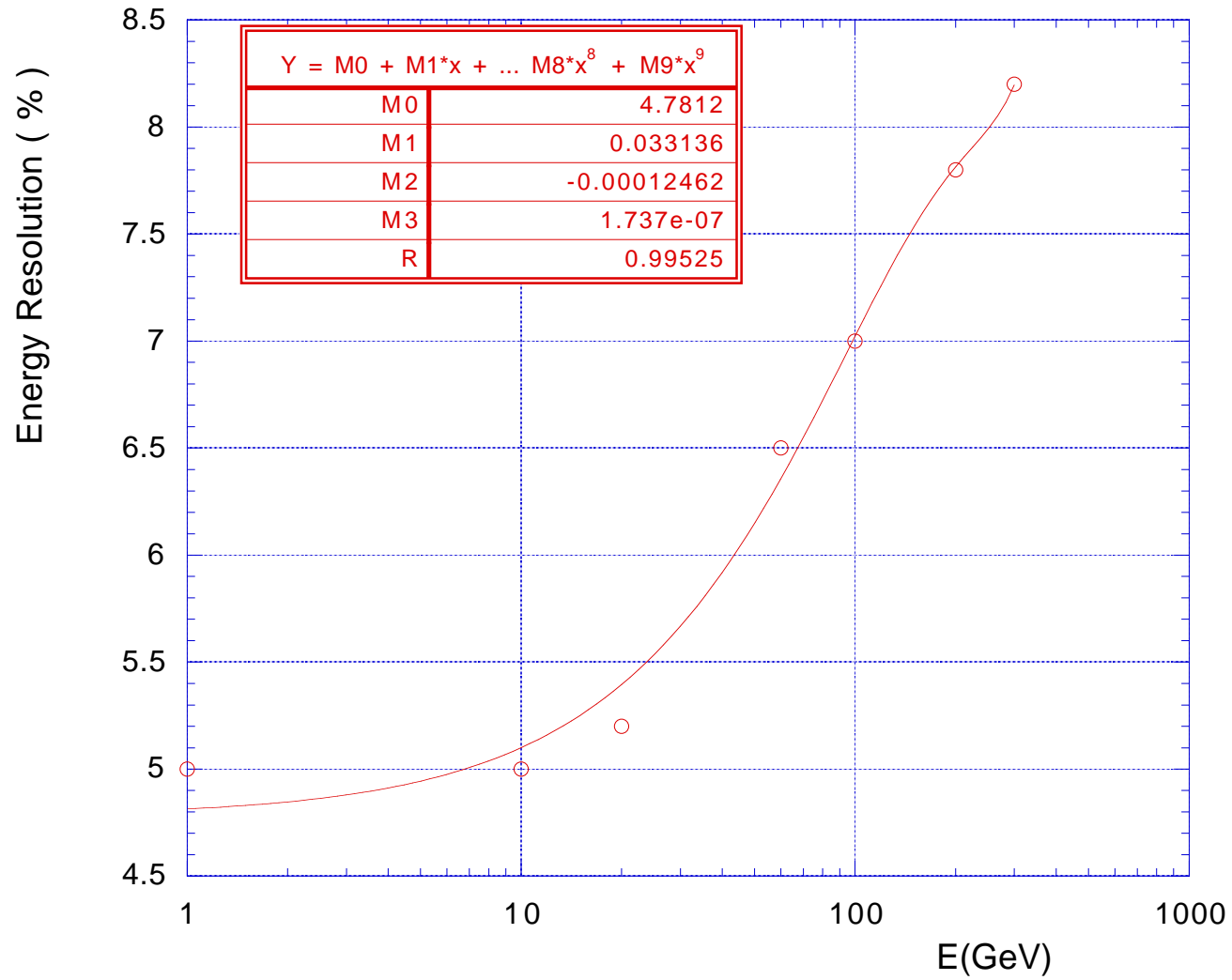
- the normalization of the background in the galactic centre is unknown
- component from π^0 decays still not taken in account

Appendix

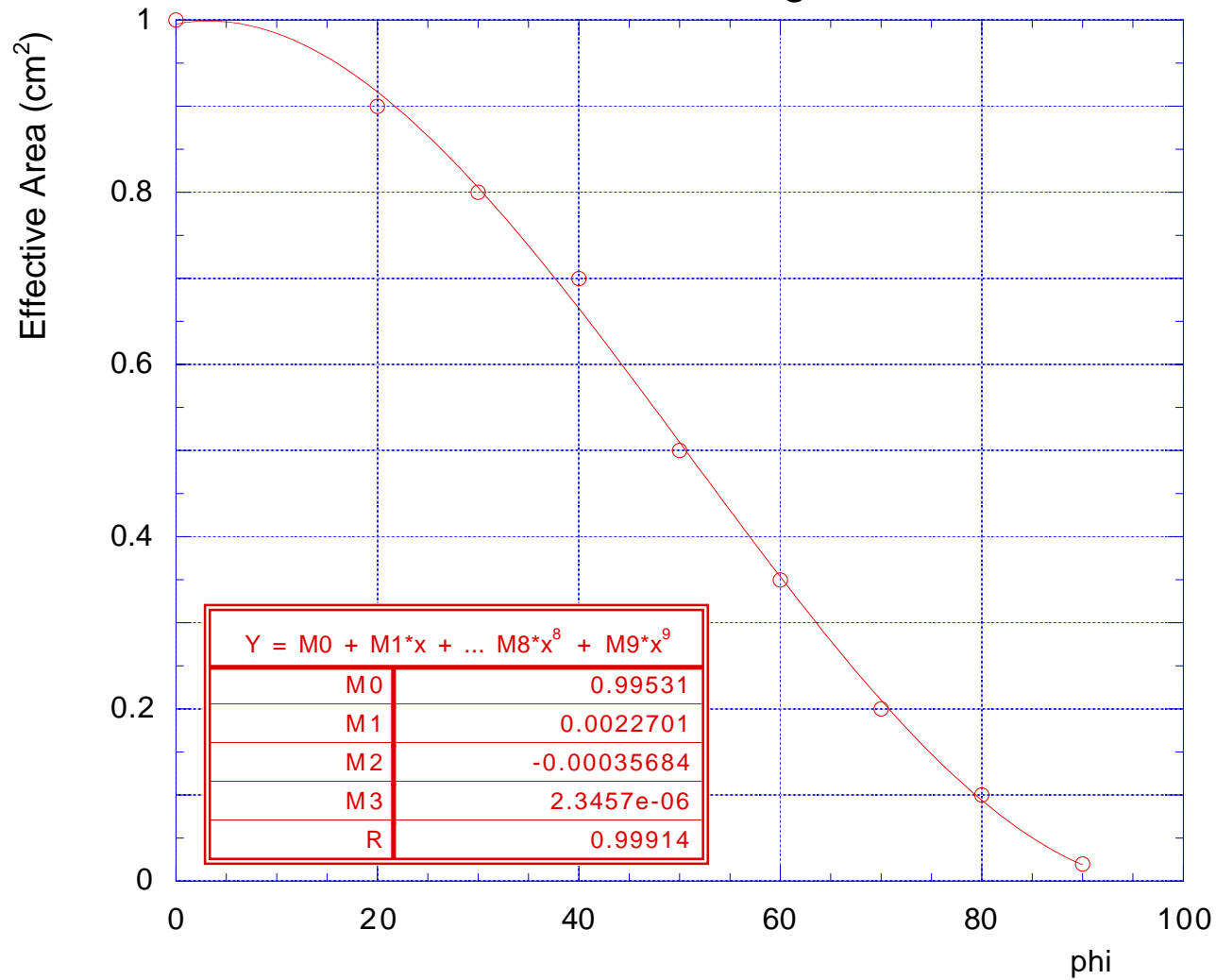
the following are some parametrizations that we
have included in the code

Effective area in function of energy is still missing

Energy resolution



Effective Area versus Angle of Incidence



Angular resolution

Single Photon Direction Accuracy (PSF)

