

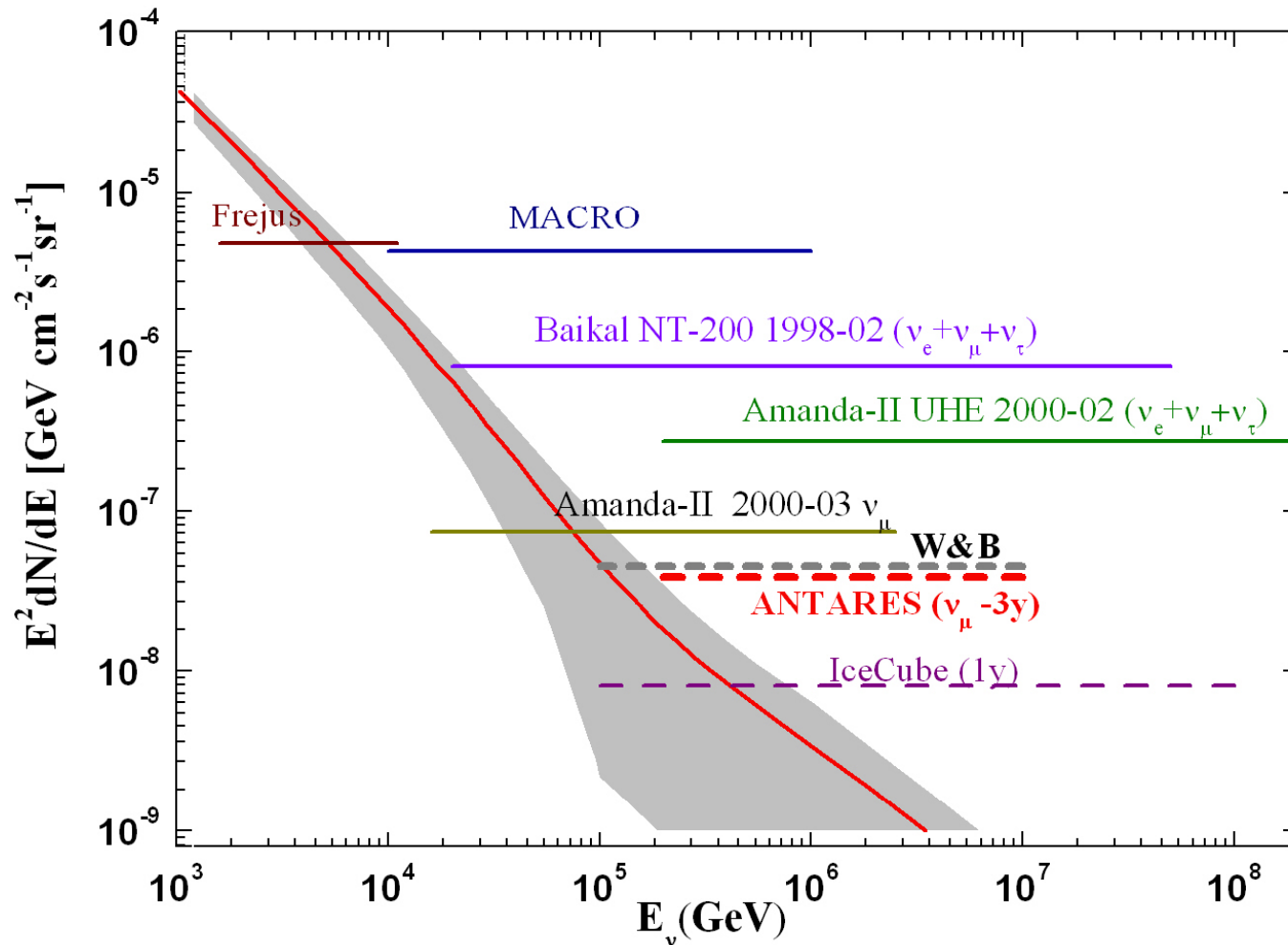
Physics release meeting

15 May 2008, Nikhef

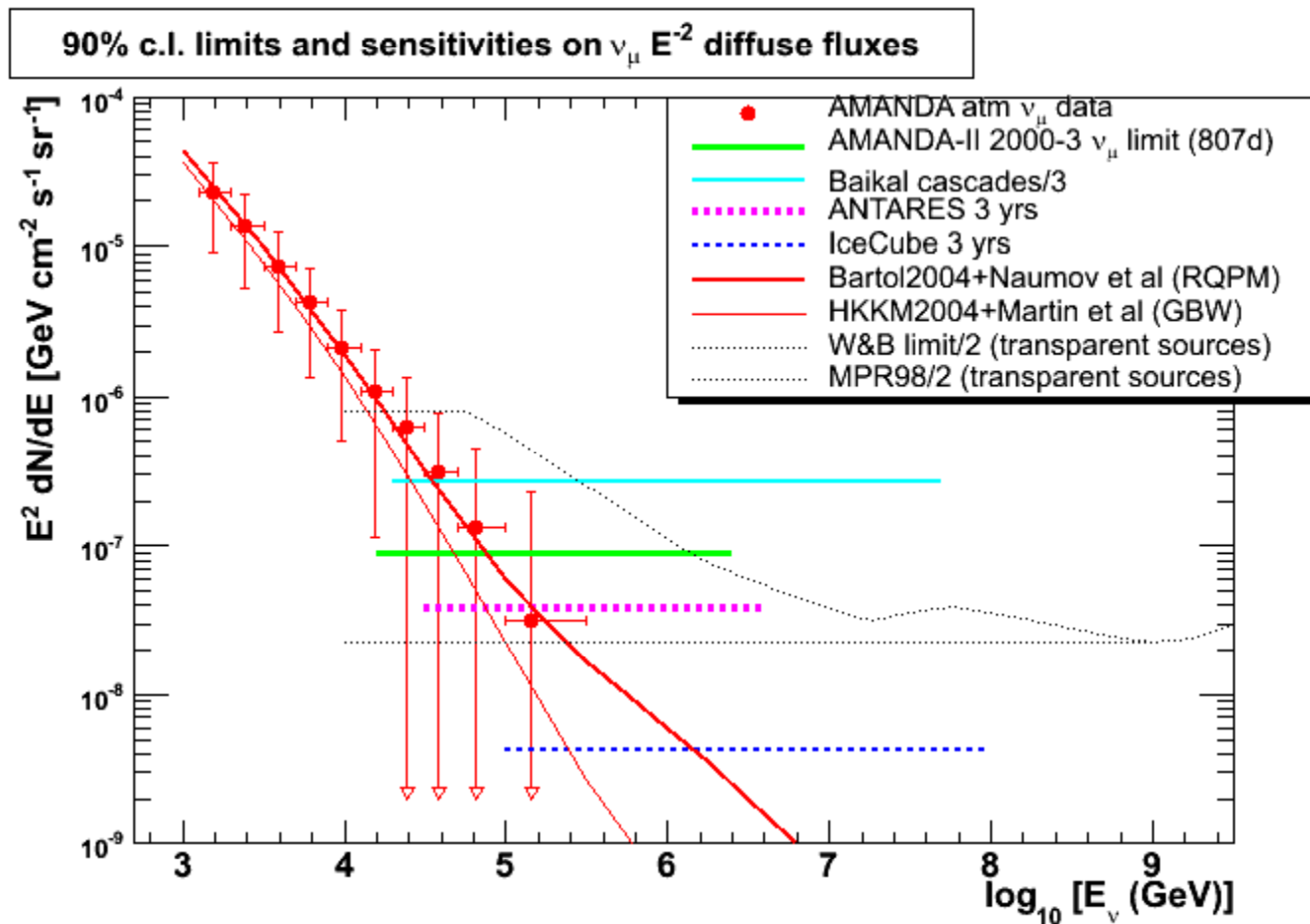
M. de Jong

Updates of official plots

Diffuse neutrino flux limits (ANTPLOT-PHYS-2007-007)



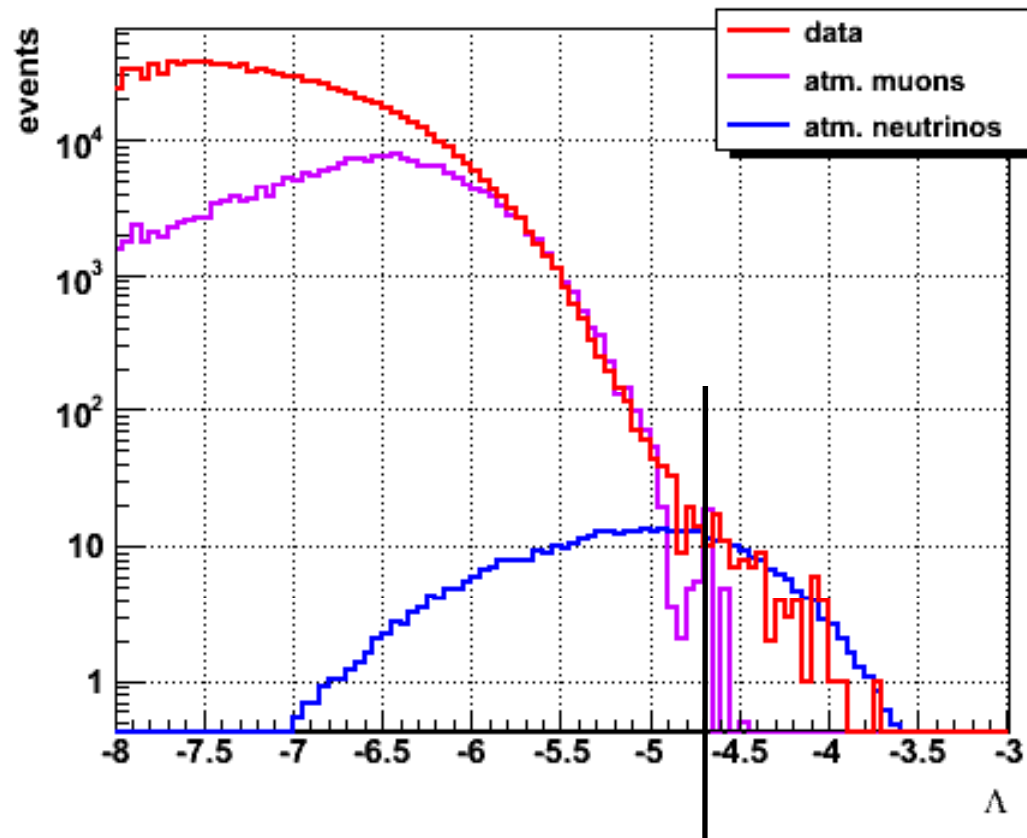
ANTPLOT-PHYS-2007-007



Zenith angle distributions (I)

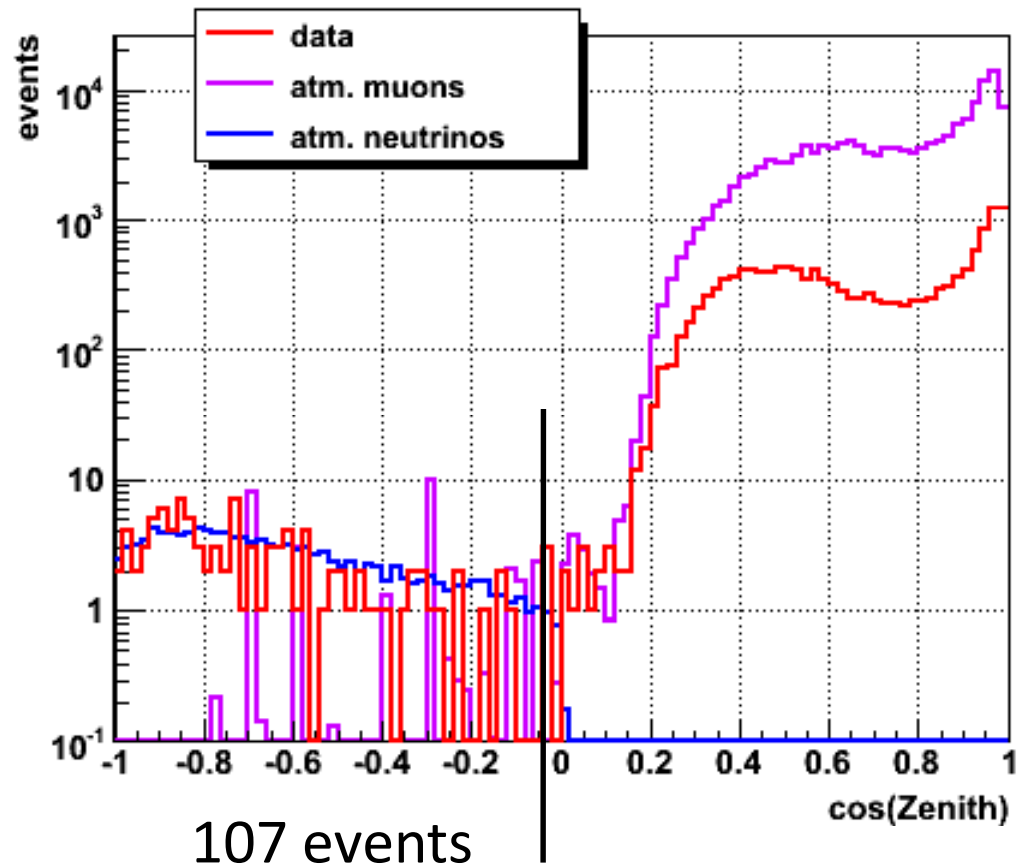
- Line 5 data
 - silver runs
 - 174 days lifetime
 - CalRealv1r7
 - strategy 99 (= 'Aart strategy')
 - Monte Carlo
 - Atmospheric muons
 - Atmospheric neutrinos

Likelihood distribution $\theta \leq 10$ degrees (ANTPLOT-PHYS-2007-018)

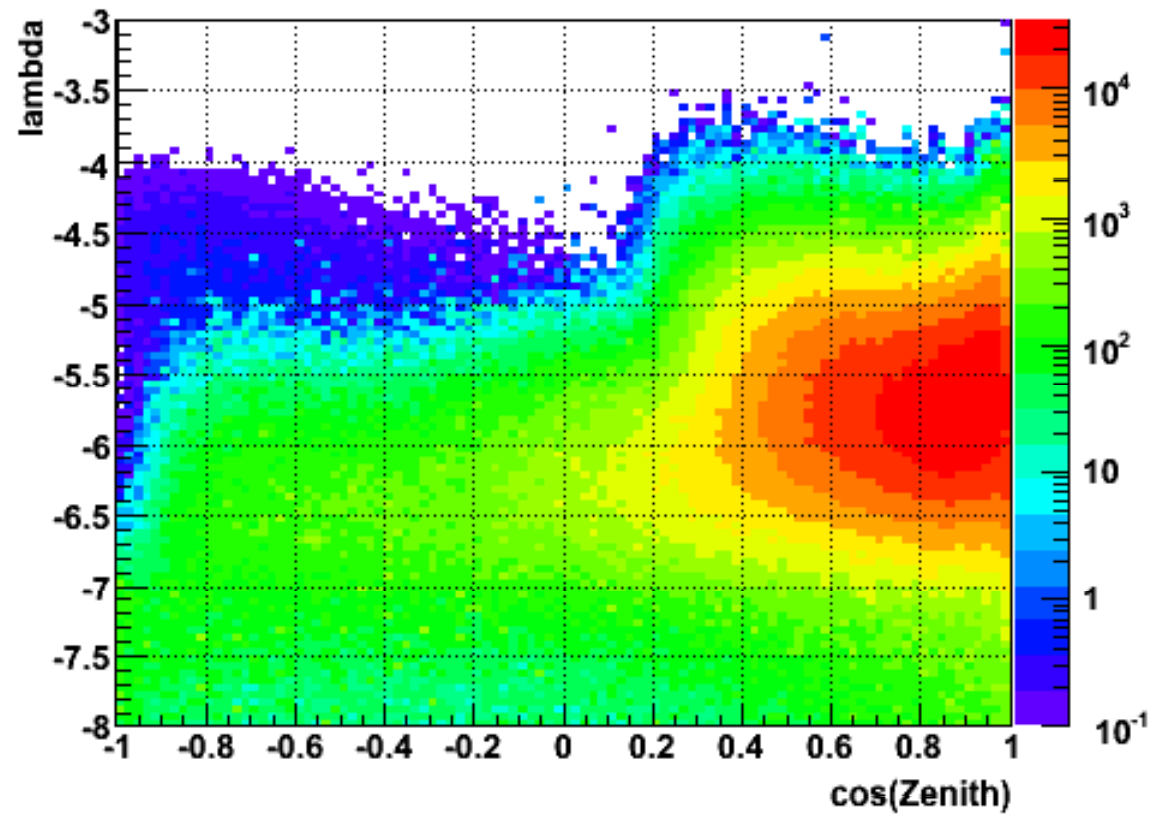


used cut 4.7

Zenith angle distribution $\Lambda \geq 4.7$ (ANTPLOT-PHYS-2007-017)



Zenith angle – Likelihood (new)



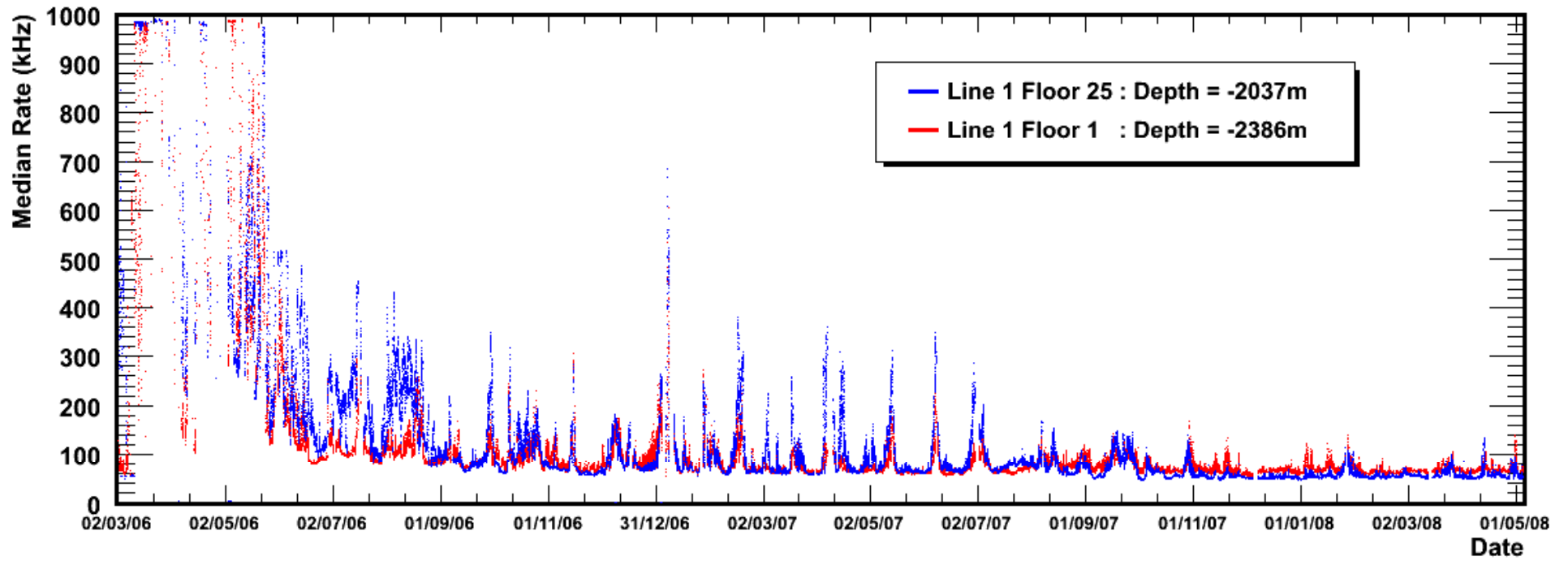
Zenith angle distributions (II)

New candidate plots

Median rate as a function of time

- Line 1
 - Floor 1 (bottom; ~2400 m)
 - Floor 25 (top; ~2040 m)
 - March 2006 – May 2008 (more than 2 years!)

Median rate



K40 coincidence rate

- Line 1 data
 - November 2006 – May 2008
 - trend
 - 20% / year
 - loss of PMT gain
 - steps
 - threshold tuning

