HAP HESS Iu: Spectrum
FB template analysis with 3D background model: Fermi LAT template, std zeta
Compare to manipulated background: $\text{bkg}'_{ri} = \text{bkg}_{ri} \cdot [1 - k \cdot (\text{alt}_{ri} - \text{alt}_{r0})]$

$E^2 \frac{dN}{dE} \left[\frac{TeV}{cm^2 \, s \, sr} \right]$

$Energy \, [TeV]$

- ■ HAP diff. flux points: HESS Iu data
- ■ HAP diff. flux points: HESS Iu data, k = 0.005
- ■ HAP diff. flux points: HESS Iu data, k = 0.01
- ■ HAP diff. flux points: HESS Iu data, k = 0.1