

## Resonance Region

- New resonance parameters adopted
  - from Atlas by Mughabghab, fixed some parameters by Oh
  - resonance energy range extended, upper limit from 300 keV to 367 keV ( $^{48}\text{Ti}$ )
- Fictitious levels added with Fröhner's method

## High Energy Range

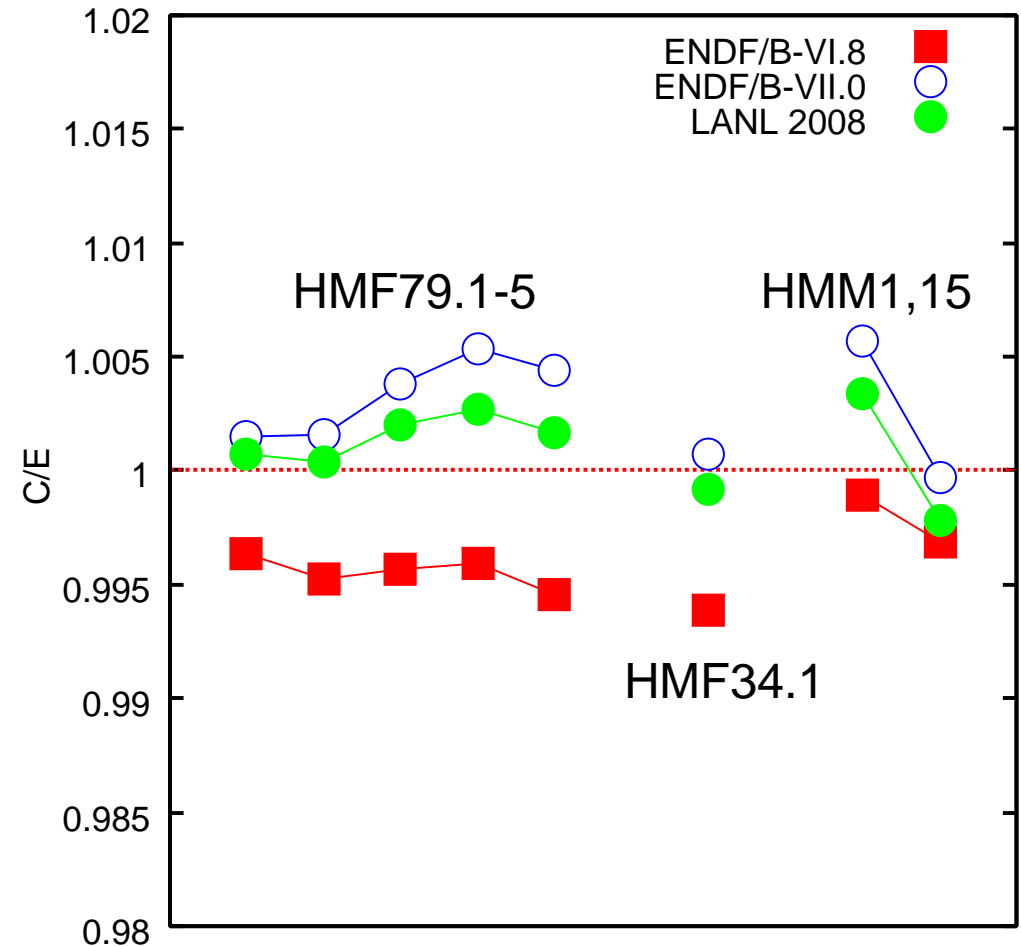
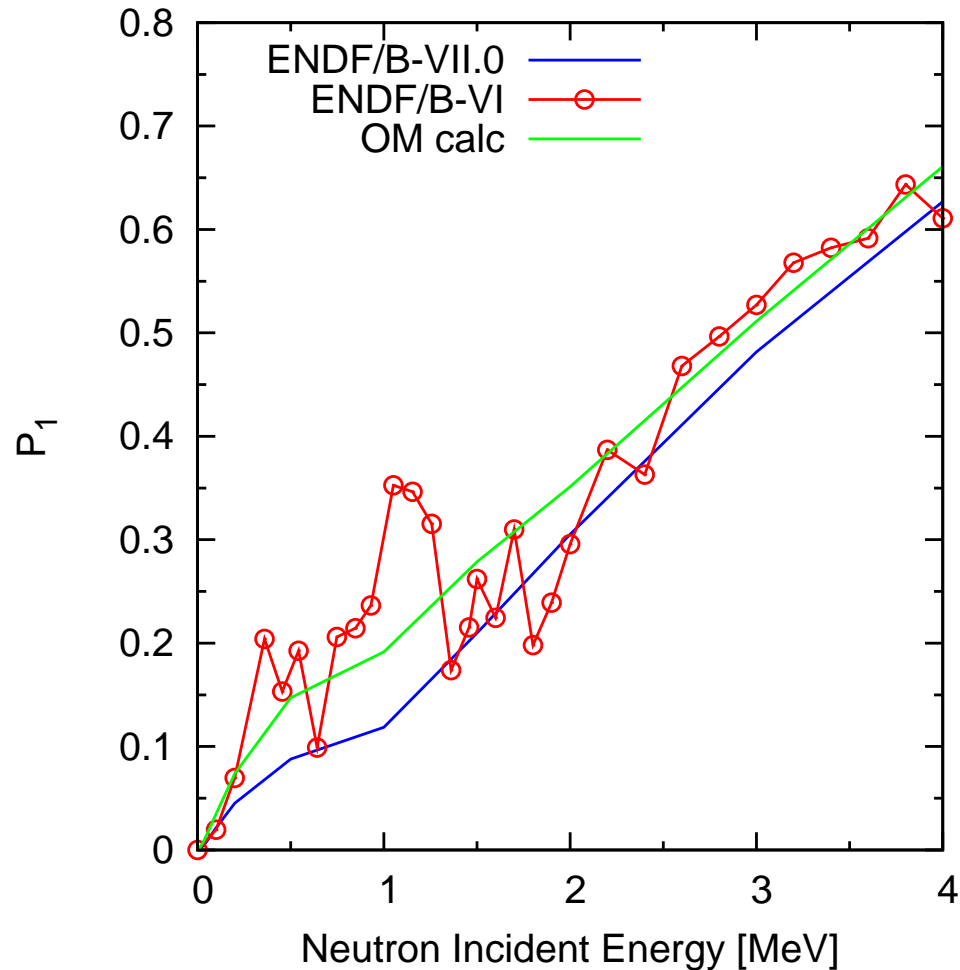
- Total cross section from 367 keV to 6 MeV, least-squares fitting to experimental data
- New GNASH calculations, based on calculations by D. Dashdorj et al.  
Phys. Rev. **C** 75, 054612 (2007)

## Elastic Scattering Angular Distribution

- ENDF/B-VI adopted up to 4 MeV
- Above 4 MeV, optical model calculation

# Elastic Scattering Angular Distribution and Keff

## $P_1$ Legendre Coefficient and $k_{\text{eff}}$



We adopted  $P_\ell$  from ENDF/B-VI up to 4 MeV.