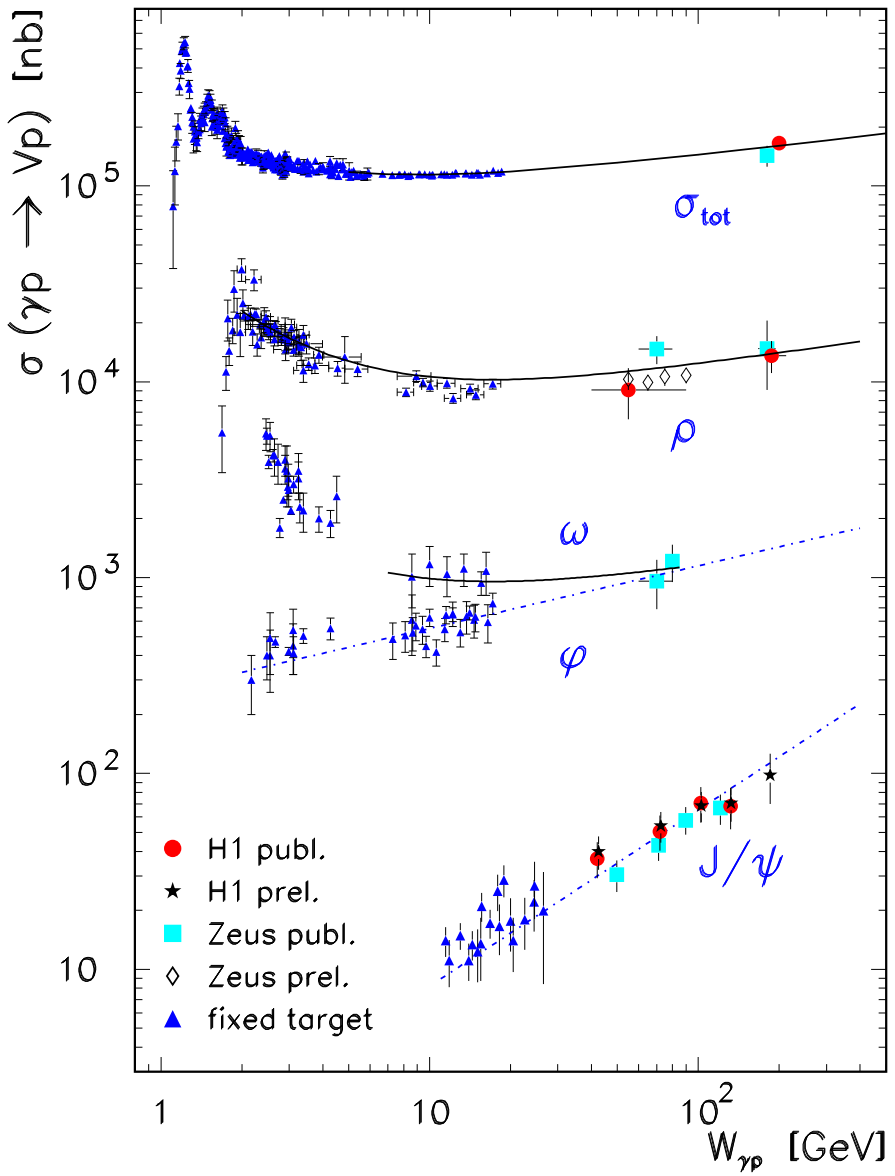
Elastic Vector Meson Production

Cross sections shown for $Q^2 \approx 0$ (photoproduction)



- $\sigma(\gamma p \to J/\psi p)$ rises strongly with $W_{\gamma p}$
- $\sigma_{tot}^{\gamma p}$ and $\sigma(\gamma p \to \rho^0 p)$ do increase only moderately
- transition VDM/soft Pomeron to hard Pomeron/perturbative QCD ?