Figure 51.8: Summary of $h^\mp p \to anything$, $\gamma\,p \to hadrons$, $\gamma\,\gamma \to hadrons$ total cross sections σ^{ab} in mb and $\rho^{h^\mp p}$ the ratio of real to imaginary parts of the forward hadronic amplitudes. Also for qualitative comparison of the uniformity of data description by $\mathrm{HPR}_1\mathrm{R}_2$–model across the different collisions and observables. The uncertainties for the experimental data points include both the statistical and systematic errors. Curves, corresponding to fit above 5 GeV cut, are plotted with error bands calculated with parameter covariance matrix constructed on MC-propagated vectors from 95% quantile of the empirical distribution.