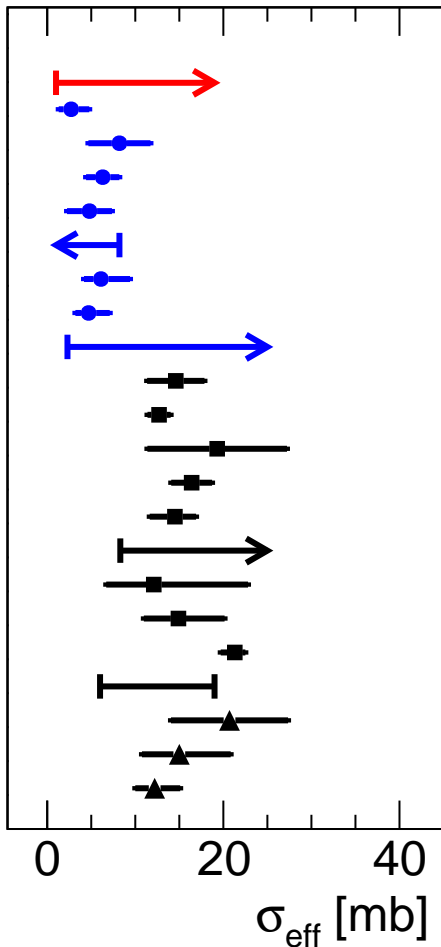


CMS

- pPb \rightarrow J/ ψ +J/ ψ , $\sqrt{s_{\text{NN}}}$ =8.16 TeV, **CMS** (this work)
 pp \rightarrow J/ ψ +J/ ψ +J/ ψ , \sqrt{s} =13 TeV, **CMS** Nat. Phys. **19** (2023) 338
 pp \rightarrow J/ ψ +J/ ψ , \sqrt{s} =7 TeV, **CMS*** Phys. Rept. **889** (2020) 1
 pp \rightarrow J/ ψ +J/ ψ , \sqrt{s} =8 TeV, **ATLAS** Eur. Phys. J. C **77** (2017) 76
 pp \rightarrow J/ ψ +J/ ψ , \sqrt{s} =1.96 TeV, **D0** Phys. Rev. D **90** (2014) 111101
 pp \rightarrow J/ ψ +Y, \sqrt{s} =1.96 TeV, **D0*** Phys. Rev. Lett. **117** (2016) 062001
 pp \rightarrow W+J/ ψ , \sqrt{s} =7 TeV, **ATLAS*** Phys. Lett. B **781** (2018) 485
 pp \rightarrow Z+J/ ψ , \sqrt{s} =8 TeV, **ATLAS*** Phys. Rept. **889** (2020) 1
 pp \rightarrow Z+b \rightarrow J/ ψ , \sqrt{s} =8 TeV, **ATLAS*** Nucl. Phys. B **916** (2017) 132
 pp \rightarrow γ +b/c+2-jet, \sqrt{s} =1.96 TeV, **D0** Phys. Rev. D **89** (2014) 072006
 pp \rightarrow γ +3-jet, \sqrt{s} =1.96 TeV, **D0** Phys. Rev. D **89** (2014) 072006
 pp \rightarrow 2- γ +2-jet, \sqrt{s} =1.96 TeV, **D0** Phys. Rev. D **93** (2016) 052008
 pp \rightarrow γ +3-jet, \sqrt{s} =1.96 TeV, **D0** Phys. Rev. D **81** (2010) 052012
 pp \rightarrow γ +3-jet, \sqrt{s} =1.8 TeV, **CDF** Phys. Rev. D **56** (1997) 3811
 pp \rightarrow 4-jet, \sqrt{s} =640 GeV, **UA2** Phys. Lett. B **268** (1991) 145
 pp \rightarrow 4-jet, \sqrt{s} =1.8 TeV, **CDF** Phys. Rev. D **47** (1993) 4857
 pp \rightarrow 4-jet, \sqrt{s} =7 TeV, **ATLAS** JHEP **11** (2016) 110
 pp \rightarrow 4-jet, \sqrt{s} =7 TeV, **CMS** Eur. Phys. J. C **76** (2016) 148
 pp \rightarrow 4-jet, \sqrt{s} =13 TeV, **CMS** JHEP **01** (2022) 177
 pp \rightarrow W+2-jet, \sqrt{s} =7 TeV, **CMS** JHEP **03** (2014) 032
 pp \rightarrow W+2-jet, \sqrt{s} =7 TeV, **ATLAS** New J. Phys. **15** (2013) 033038
 pp \rightarrow WW, \sqrt{s} =13 TeV, **CMS** Phys. Rev. Lett. **131** (2023) 091803