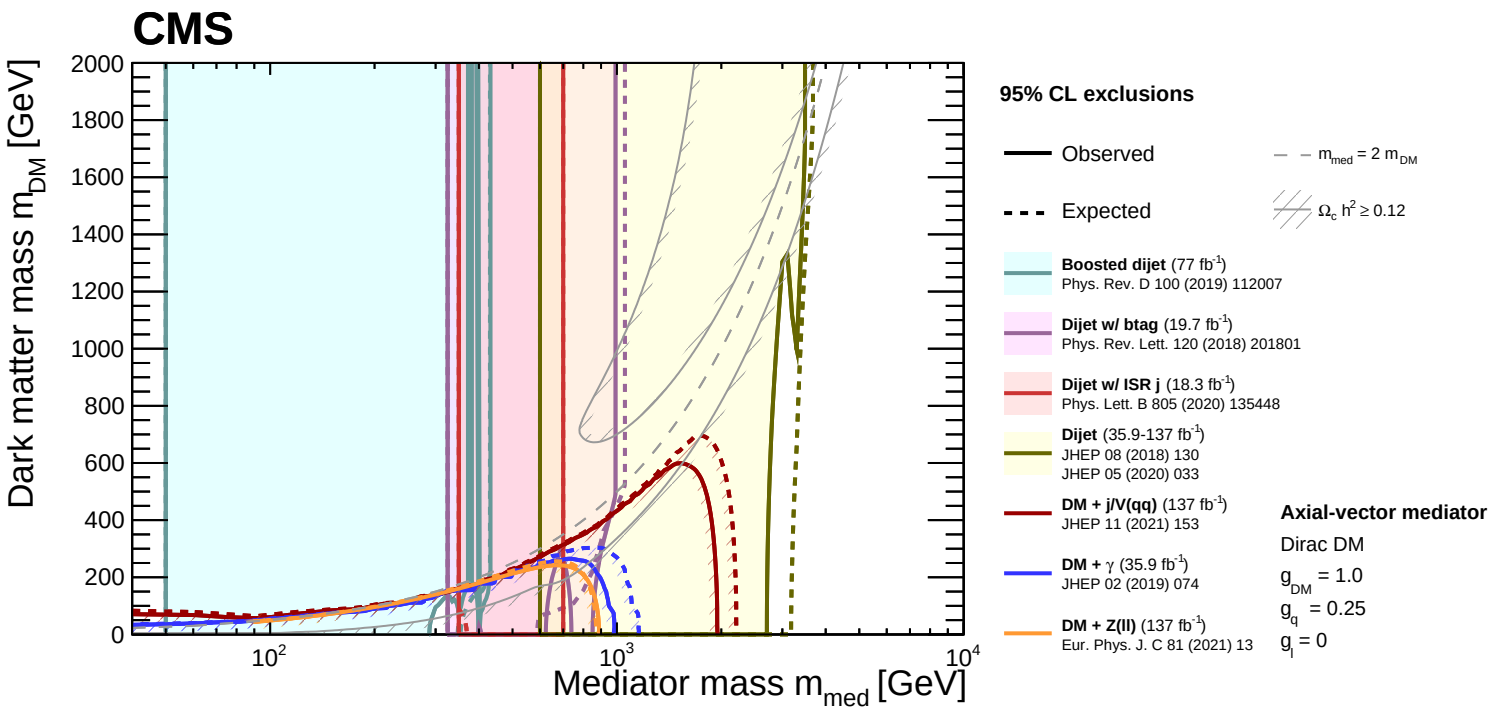
CMS
Dark matter mass m_{DM} [GeV]
Mediator mass m_{med} [GeV]
95% CL exclusions
Observed
Expected
$m_{med} = 2\ m_{DM}$
$\Omega_c h^2 \geq 0.12$
Boosted dijet (77 fb^{-1})
Phys. Rev. D 100 (2019) 112007
Dijet w/ btag (19.7 fb^{-1})
Phys. Rev. Lett. 120 (2018) 201801
Dijet w/ ISR j (18.3 fb^{-1})
Phys. Lett. B 805 (2020) 135448
Dijet (35.9-137 fb^{-1})
JHEP 08 (2018) 130
JHEP 05 (2020) 033
DM + j/V(qq) (137 fb^{-1})
JHEP 11 (2021) 153
DM + γ (35.9 fb^{-1})
JHEP 02 (2019) 074
DM + Z(ll) (137 fb^{-1})
Eur. Phys. J. C 81 (2021) 13
Axial-vector mediator
Dirac DM
$g_{DM} = 1.0$
$g_q = 0.25$
$g_l = 0$