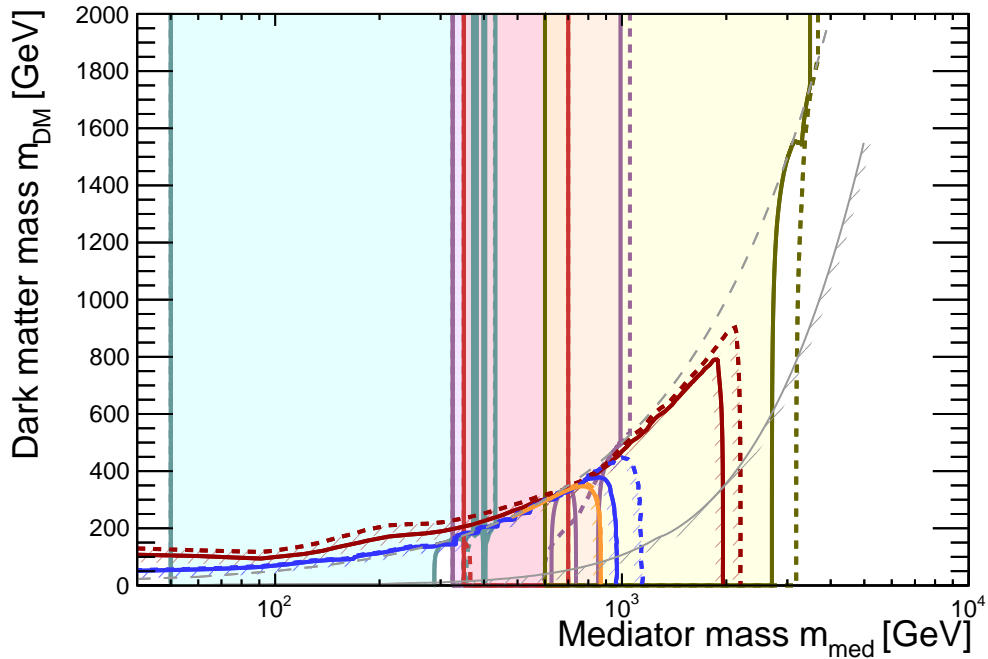


CMS



95% CL exclusions

— Observed - - $m_{\text{med}} = 2 m_{\text{DM}}$

- - - Expected // $\Omega_c h^2 \geq 0.12$

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 ($35.9\text{-}137 \text{ fb}^{-1}$)
JHEP 08 (2018) 130
JHEP 05 (2020) 033

DM + jV(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

Vector mediator

Dirac DM

$g_{\text{DM}} = 1.0$

$g_q = 0.25$

$g_l = 0$