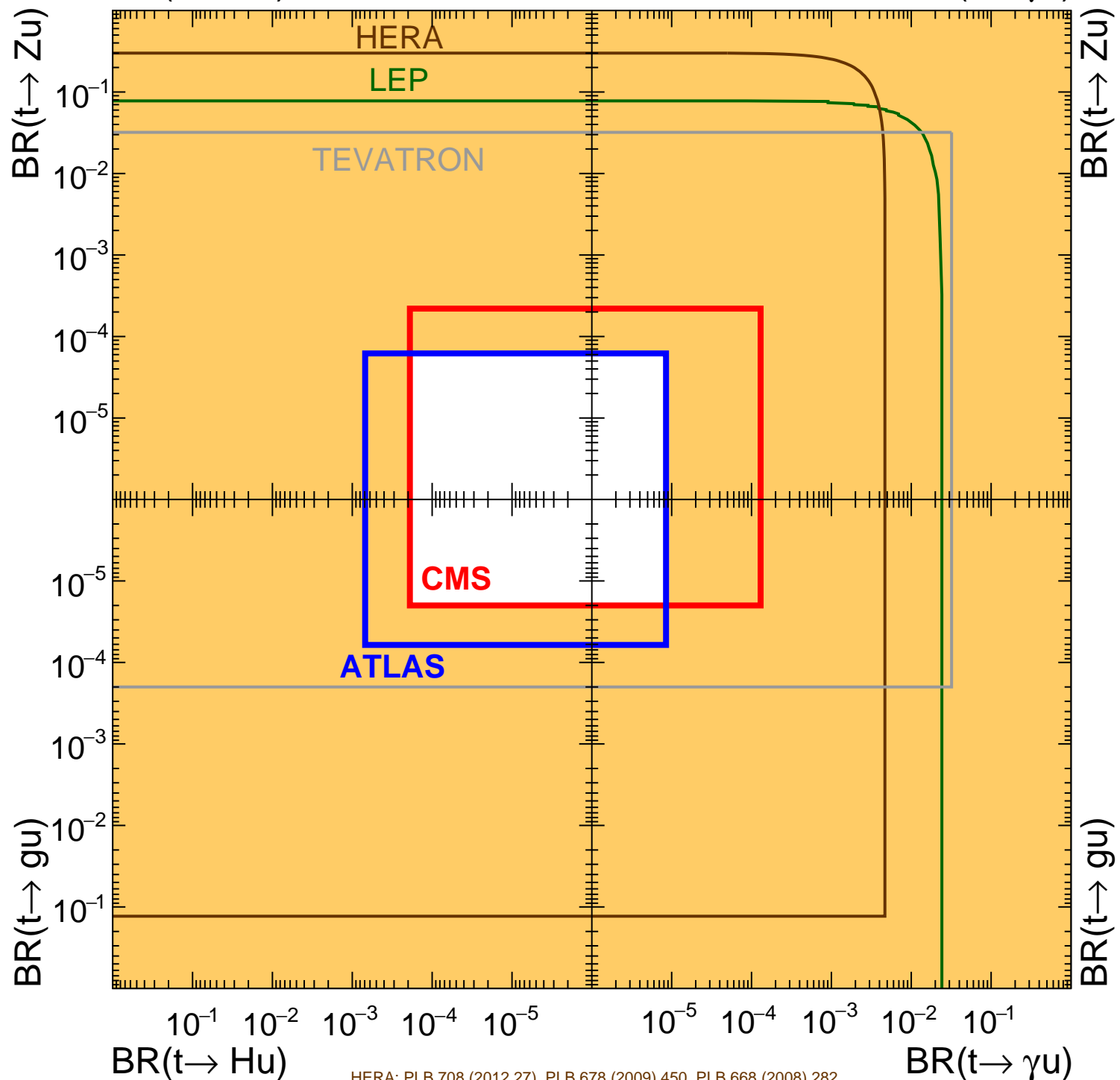


Left-handed coupling limits are presented for ATLAS $t \rightarrow \gamma q$, $t \rightarrow Z q$ and $t \rightarrow g q$ processes.

BR($t \rightarrow Hu$)

Each limit assumes that all other processes are zero.

BR($t \rightarrow \gamma u$)



BR($t \rightarrow Hu$)

BR($t \rightarrow \gamma u$)

HERA: PLB 708 (2012) 27, PLB 678 (2009) 450, PLB 668 (2008) 282
 LEP: PLB 543 (2002) 173, PLB 590 (2004) 21, PLB 521 (2001) 181, PLB 549 (2002) 290, LEP Exotica WG 2001-01
 TEVATRON: PRL 80 (1998) 2525, PRL 101 (2008) 192002, PLB 701 (2011) 313-320, PRL 102 (2009) 151801, PLB 693 (2010) 81-87
 ATLAS: [arXiv:2208.11415](https://arxiv.org/abs/2208.11415), [arXiv:2205.02537](https://arxiv.org/abs/2205.02537), EPJC 82 (2022) 334, ATLAS-CONF-2021-049
 CMS: JHEP 07 (2017) 003, JHEP 04 (2016) 035, JHEP 02 (2017) 028, PRL 129 (2022) 032001