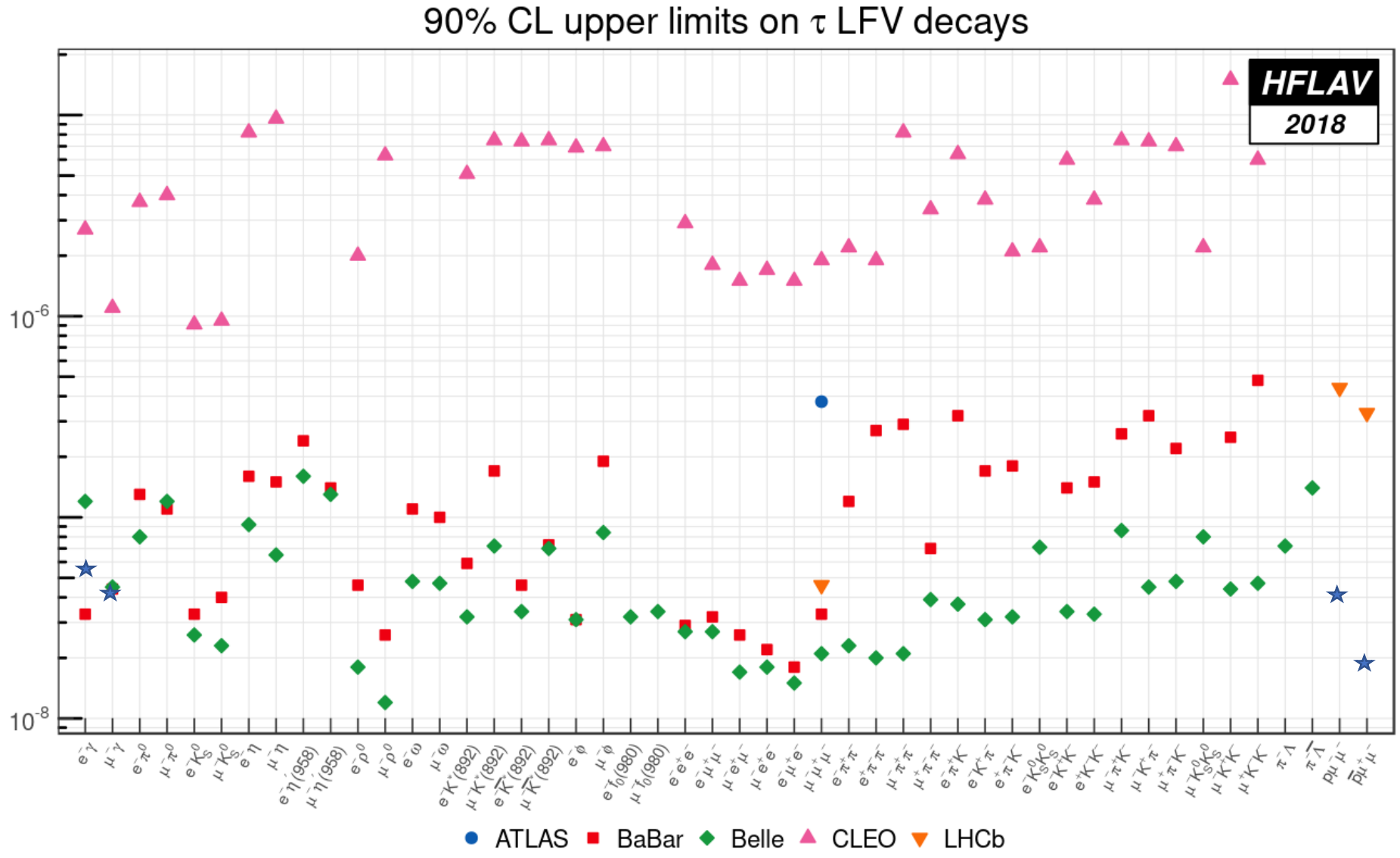
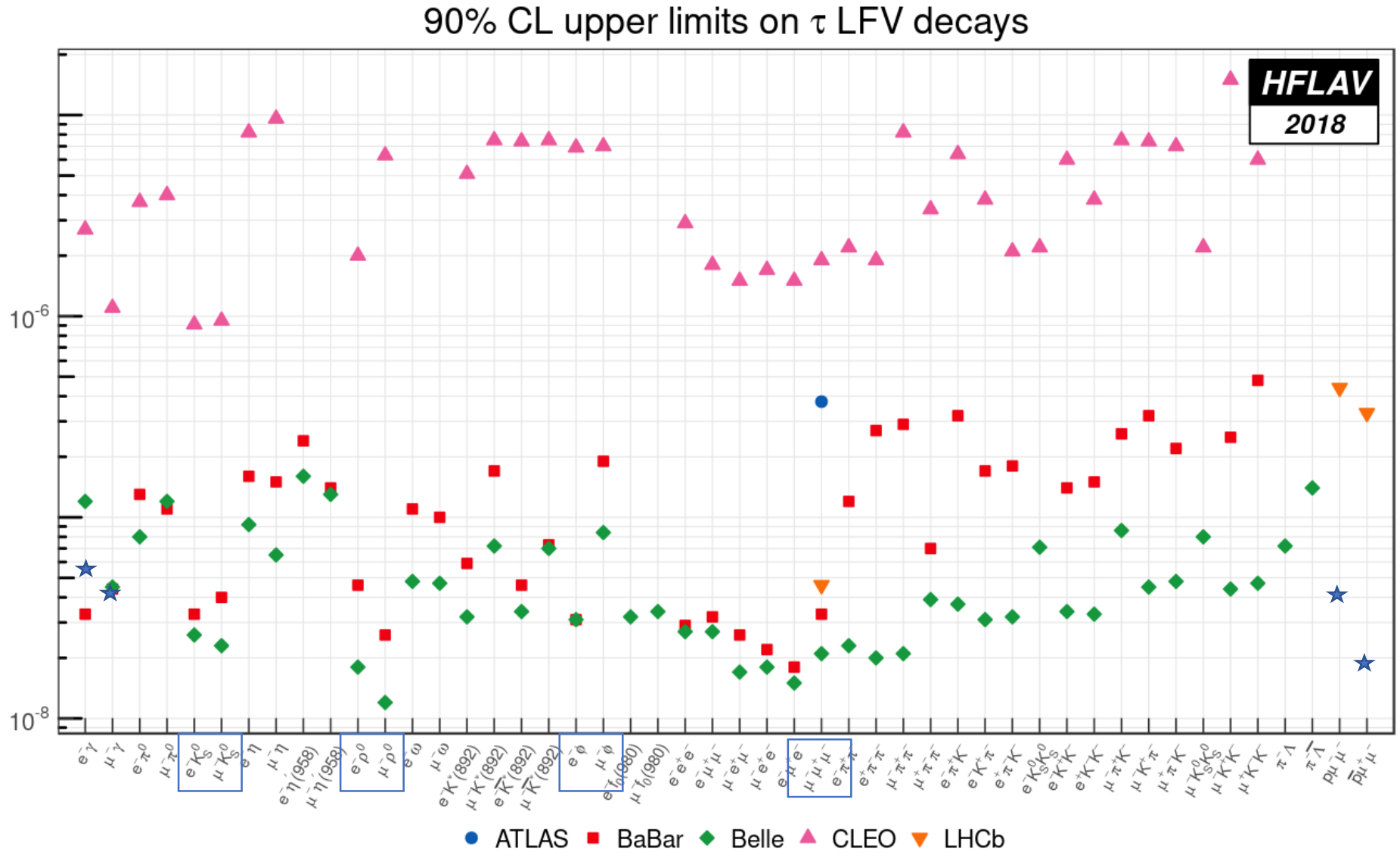

90% CL upper limits on τ LFV decays
HFLAV
2018
10^-6
10^-8
ATLAS
BaBar
Belle
CLEO
LHCb


90% CL upper limits on τ LFV decays
HFLAV
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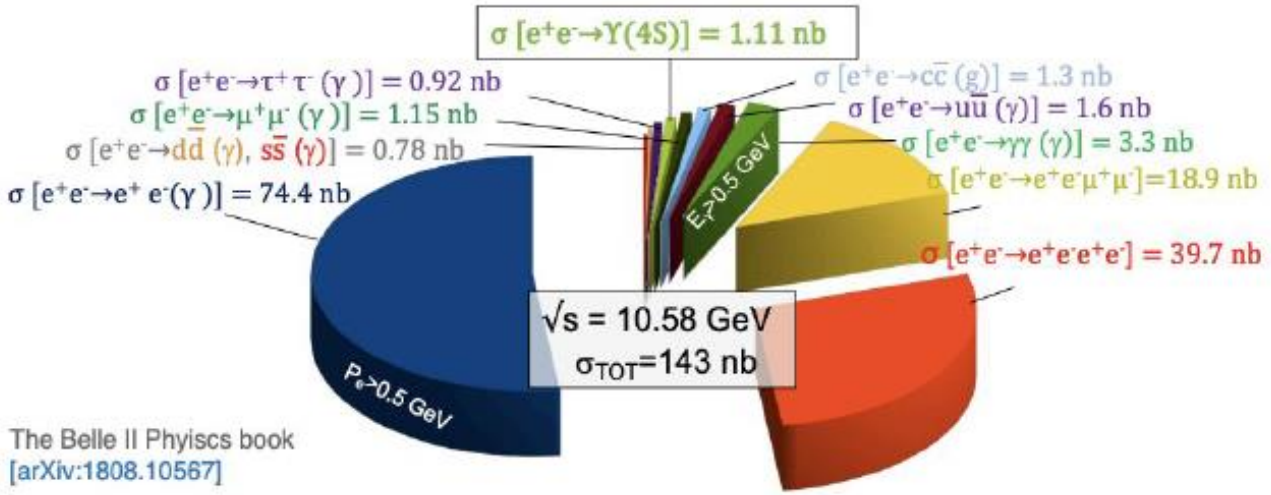
10^-8
ATLAS
BaBar
Belle
CLEO
LHCb

Channel	Who	Tag side	Comments
$\tau \to \ell V^0$	Guney: ϕ Laura: ρ Timothy: ϕ Tsuzuki(Nagoya)	1 prong 1 prong 3 prong	To be extended to K*
$\tau \to \ell\ell\ell$	Robin: 3μ A. Martini (DESY) : 3μ	3 prong 1 prong	To be extended to eeμ and eμμ (also 1 prong)
$\tau \to \ell P$	Klemens: Ks	1 prong	To be extended to KsKs
$\tau \to \ell hh$	Navid, Ami (DESY)? Us?		

Goals

- Define (as much as possible) common analysis strategy for all modes
- Use common analysis tools (selection optimization, background evaluation, limits)
- Define control samples
- Goal is to publish with statistics recorded by summer 2022 (few hundreds fb^{-1})
  - Guney's thesis ends september 2022
  - Possibly reanalyze Belle data too