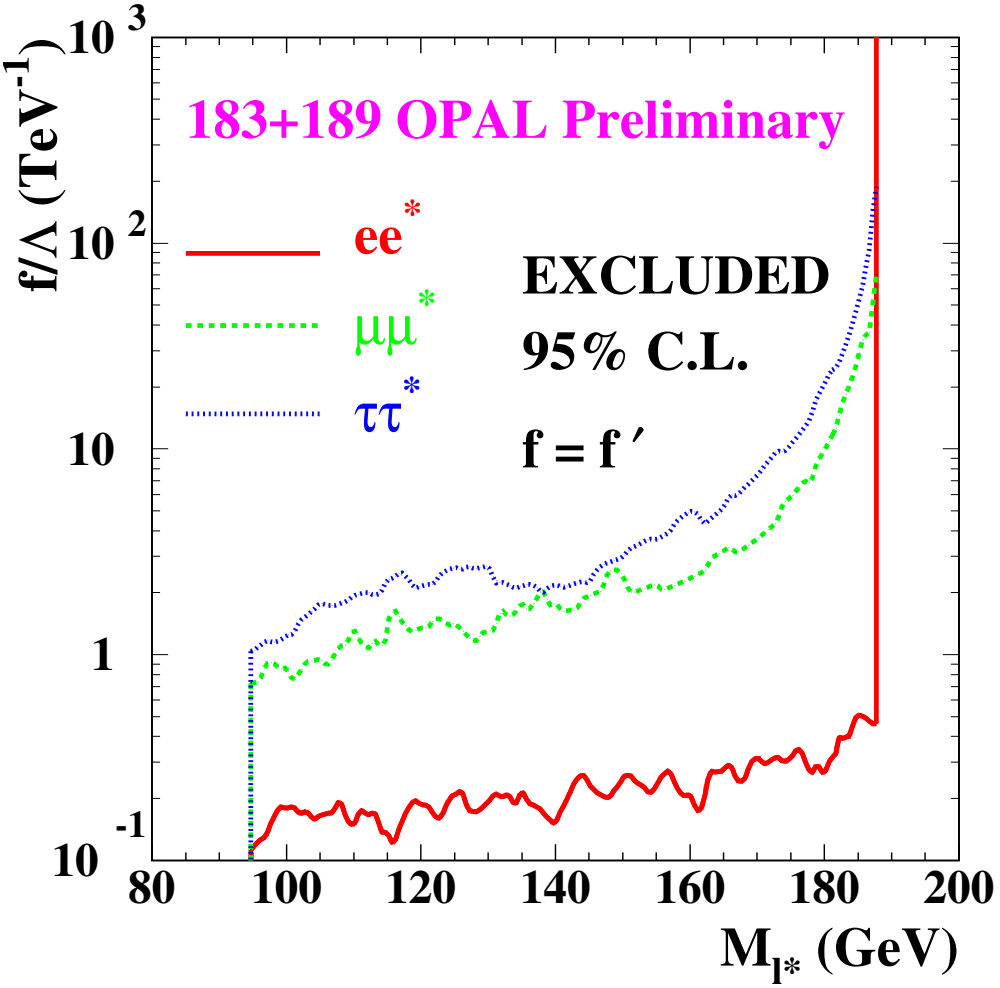
Heavy and Excited Leptons

Heavy Leptons: consider Charged Current decays:

Mode		Mass Limit (GeV)	
		OPAL 183+189	OPAL 183
$N \to eW$	Dirac	93.4	87.3
	Majorana	84.9	75.7
$N \to \mu W$	Dirac	92.9	86.4
	Majorana	83.4	74.0
$N \to \tau W$	Dirac	80.1	77.0
	Majorana	62.6	58.1

Excited Leptons: consider decays via γ, W and Z

$\ell^* \to \ell\gamma$ $\ell^* \to \ell Z$ $\ell^* \to \nu W$

Limits on Mass and coupling / compositeness scale: