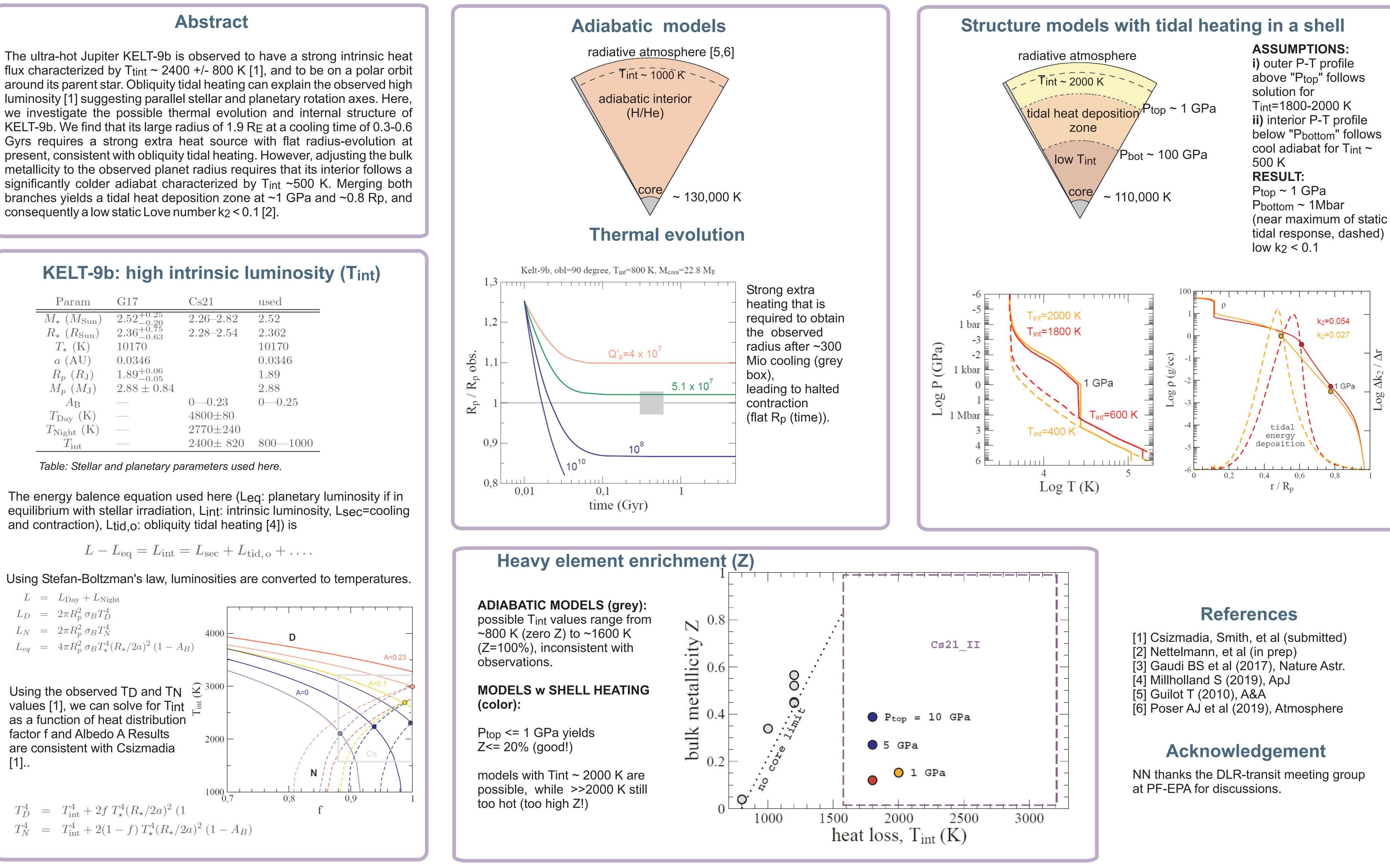
Structure and evolution of the tidally heated hot-Jupiter KELT-9b

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consequently a low static Love number $k_2 < 0.1$ [2].

Param	G17	Cs21	used
M_{\star} ($M_{\rm Sun}$)	$2.52^{+0.25}_{-0.20}$	2.26 - 2.82	2.52
$R_{\star} \ (R_{\rm Sun})$	$2.36^{+0.75}_{-0.63}$	2.28 - 2.54	2.362
T_{\star} (K)	10170		10170
a (AU)	0.0346		0.0346
$R_p \ (R_{\rm J})$	$1.89^{+0.06}_{-0.05}$		1.89
$M_p (M_{\rm J})$	2.88 ± 0.84		2.88
$A_{\rm B}$		0 - 0.23	0 - 0.25
$T_{\rm Day}$ (K)		4800 ± 80	
T_{Night} (K)		2770 ± 240	
$T_{\rm int}$		2400 ± 820	800—1000



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