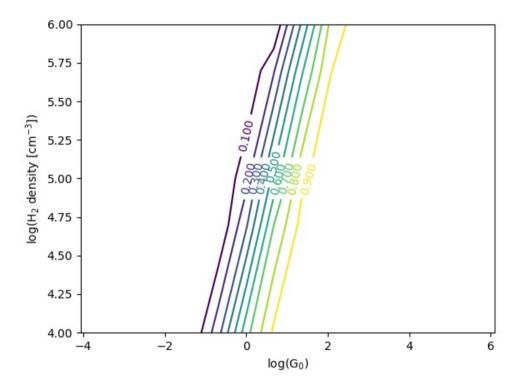
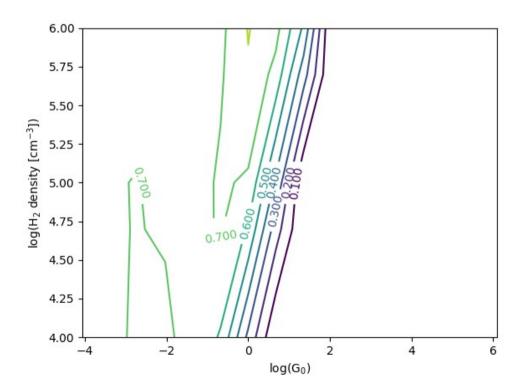
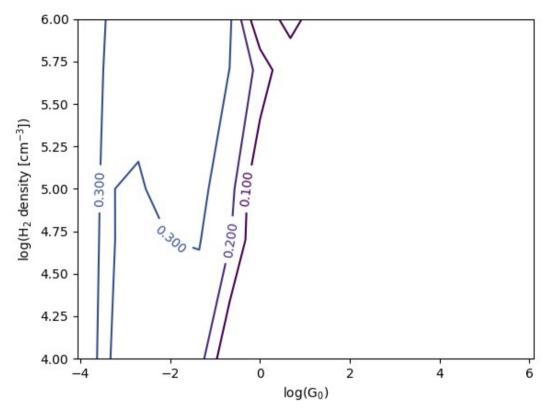
Rozpad CN:

$CN + ph \rightarrow C + N$



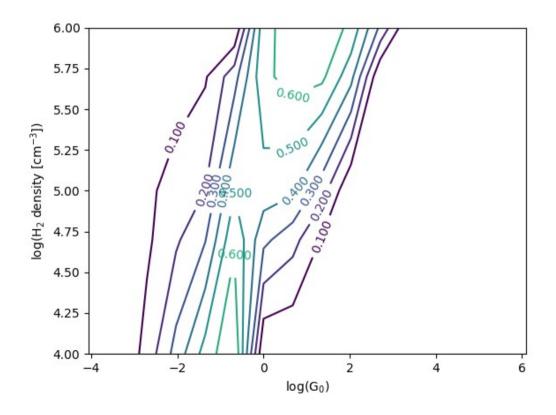
$O + CN \rightarrow N + CO$

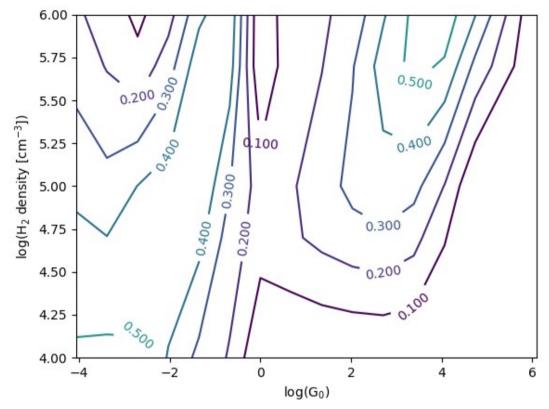




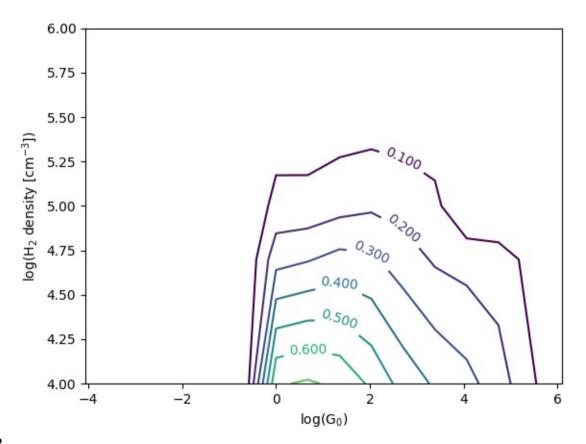
Produkcja CN:

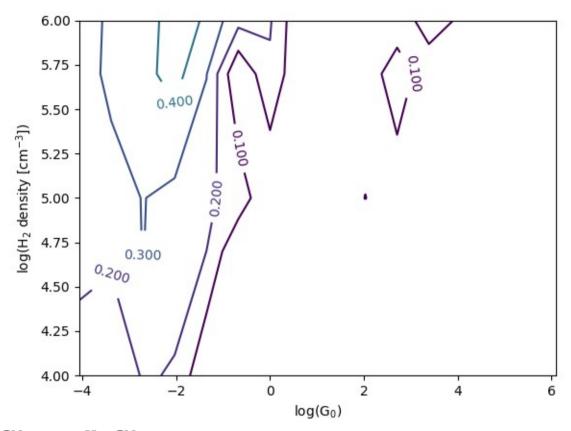
$$N + C_2 \rightarrow C + CN$$



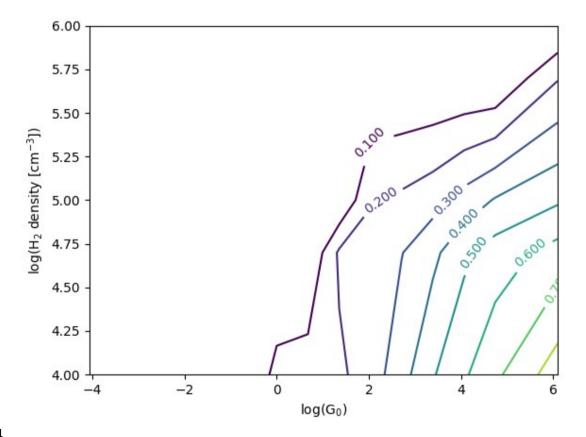


 $H + CN+ \rightarrow CN + H+$



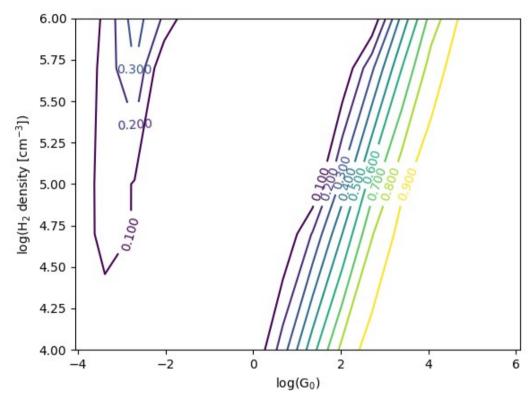


 $HCN++e-\rightarrow H+CN$

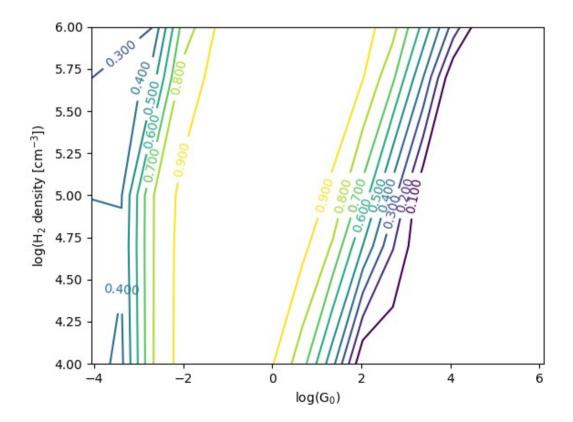


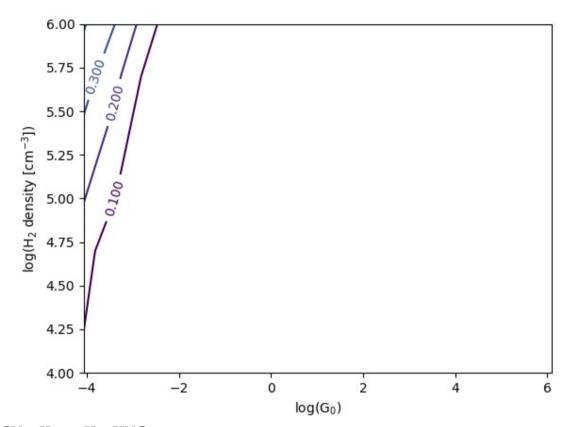
Rozpad HCN:

$HCN + ph \rightarrow H + CN$

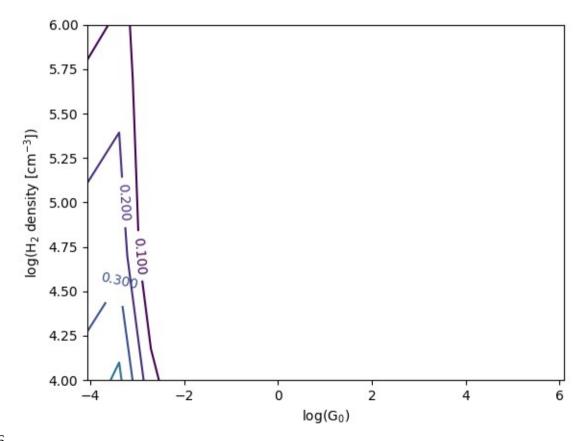


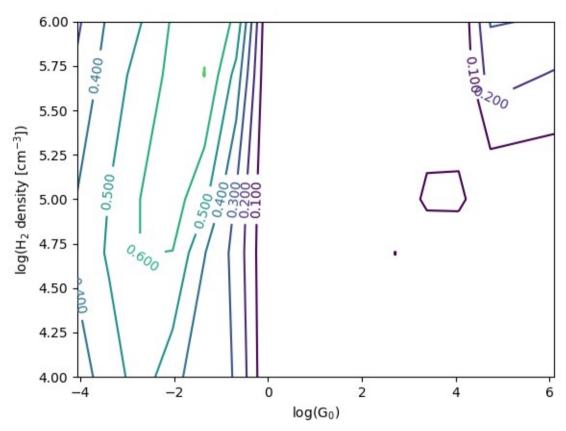
 $HCN + C+ \rightarrow H + CNC+$



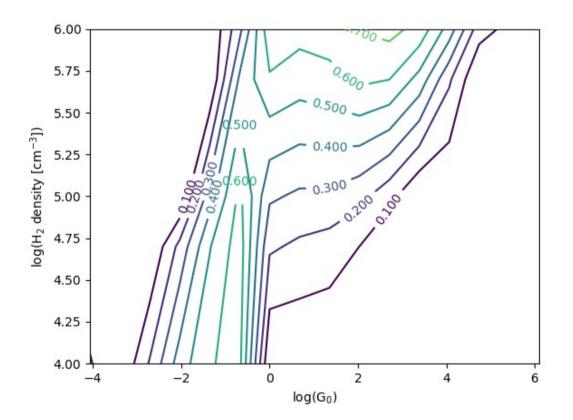


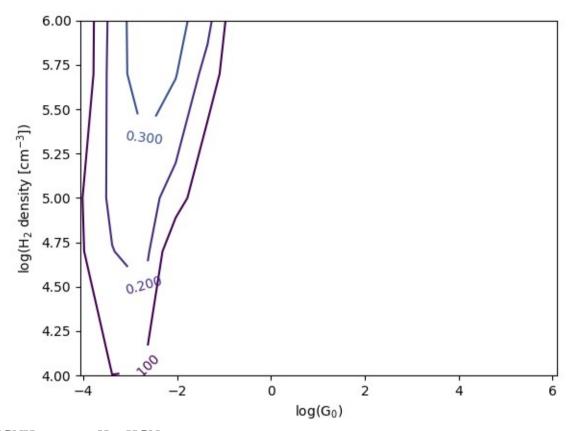
 $HCN + H+ \rightarrow H + HNC+$



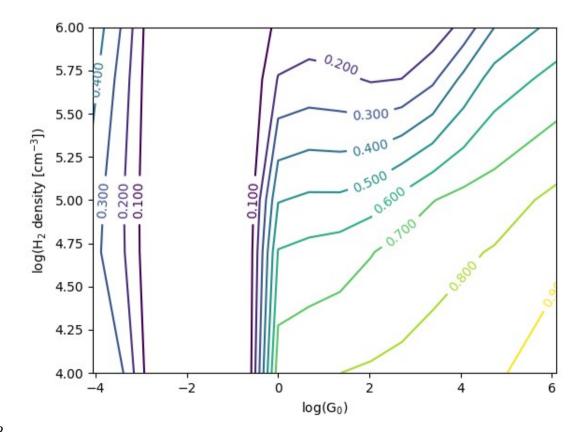


 $H + CCN \rightarrow C + HCN$





 $HCNH++e-\rightarrow H+HCN$



Dominujące reakcje:

Małe pola UV (10 ⁻³ -10 ⁻¹ G ₀)	Średnie pola UV (10^{-1} - 10^2 G ₀)	Duże pola UV (10 ² -10 ⁶ G ₀)
Produkcja CN		
$N + CH \rightarrow H + CN$ $CNC+ + e- \rightarrow C + CN$ $N + C_2 \rightarrow C + CN$	$N + C_2 \rightarrow C + CN$ $H + CN + \rightarrow CN + H +$	$HCN++e- \rightarrow H+CN$ $N+CH \rightarrow H+CN$ $H+CN+ \rightarrow CN+H+$
Rozpad HCN		
$HCN + C+ \rightarrow H + CNC+$ $HCN + HCO+ \rightarrow CO + HCNH+$ $HCN + H+ \rightarrow H + HNC+$ $HCN + ph \rightarrow H + CN$	HCN + C+ \rightarrow H + CNC+ HCN + ph \rightarrow H + CN	$HCN + ph \rightarrow H + CN$ $HCN + C+ \rightarrow H + CNC+$
Produkcja HCN		
$N + CH_2 \rightarrow H + HCN$ $H + CCN \rightarrow C + HCN$ $HCNH++e-\rightarrow H + HCN$ $C + HNC \rightarrow C + HCN$	H + CCN → C + HCN HCNH+ + e- → H + HCN	HCNH+ + e- → H + HCN H + CCN → C + HCN
Rozpad CN		
$O + CN \rightarrow N + CO$ $CN + N \rightarrow C + N_2$	$CN + ph \rightarrow C + N$ $O + CN \rightarrow N + CO$	$CN + ph \rightarrow C + N$

