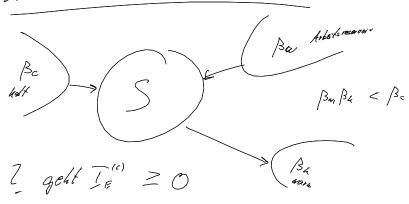
$$Z = Z^{m} + Z = I \cdot R_{2} \cdot S = I \cdot R_{2} \cdot R_{2} \cdot S = I \cdot R_{2} \cdot R_{2} \cdot R_{2} \cdot S = I \cdot R_{2} \cdot$$

Zpop , Z, + Ze + Ze BAS: Stroke in SS \$\frac{1}{5}; \geq 0 \quad \frac{1}{5}; = -\beta\_8 \frac{1}{16} - \beta\_6 \frac{1}{16} - \beta\_6 \frac{1}{16} \quad \frac{1}{16} - \beta\_8 \frac{1}{16} \quad \quad \frac{1}{16} \quad \frac{1}{16} \quad \frac{1}{16} \quad \quad \frac{1}{16} \quad \frac{1}{16} \quad \frac{1}{16} \quad \frac{1}{16} \quad \frac{1}{16} \quad \quad \quad \frac{1}{16} \quad \quad \quad \quad \frac{1}{16} \quad \qua  $\frac{1}{\int_{A}} = \frac{1}{\int_{A}} (a) = -\frac{1}{\int_{A}} (a)$   $\frac{1}{\int_{E}} (a) + \frac{1}{\int_{A}} (a) + \frac{1}{\int_{E}} (a) = 0$   $\frac{1}{\int_{E}} (a) + \frac{1}{\int_{A}} (a) + \frac{1}{\int_{E}} (a) + \frac{1}$ tight-rouping: = (E8-84). [M Fall: Be-Bz=Bel + BB -> S; = {[Boi-Bo]. (So-Ex) + Boi (Ai-Ko)} = (C)

(a) 
$$\mathcal{L}_{T_B} > \overline{l_{ee}} \leq 1 - \frac{\overline{l_{ee}}}{\overline{T_B}}$$
(b.)  $\mathcal{L}_{T_B} = 1 - \frac{\overline{l_{ee}}}{\overline{l_{ee}}} \leq 1 - \frac{\overline{l_{ee}}}{\overline{l_{ee}}}$ 

$$\ddot{Q}_{n} = \dot{Q}^{(i)} + \dot{Q}^{(e)}$$

## 7.8. Madbarker des hablers mit 3 Terminol - System on



$$\frac{2.4S: \left(\beta_{\omega} - \beta_{c}\right) \overline{I_{E}}^{(c)} + \left(\beta_{\omega} - \beta_{A}\right) \overline{I_{E}}^{(A)}}{\stackrel{?}{=} 0} \stackrel{?}{=} 0$$

$$\stackrel{?}{=} 0$$

Worn gold das!

1. Versuch: 2 levels Eo < E1

Theorie des Quantentransports, Gernot Schaller, Phononen-assistiertes Tunneln, 28.11.2019, 3

$$h_{i} = \frac{1}{e^{p_{i} \cdot E_{i} \cdot E_{i}}} \cdot p_{i} = \frac{1}{1 + 2\pi} \cdot p_{i} = \frac{1}{1 + 2\pi} \cdot p_{i} + \frac{1}{1 + 2\pi} \cdot p$$