

Journal of Computational Science and Technology



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3+ 3+ 18 16  
ff y 80%  
ff y 100% y  
ff y 92% y  
19 20,21  
22

$s_A = 500$  s,  $s_{ff} = 1$  s,  $s_{ffi} = 1$  s. (1)

### 3. Characterization

$s_y = 450$  s,  $s_{ff} = 1$  s,  $s_{ffi} = 1$  s. (2)

$s_A = 5016$  s,  $s_{ff} = 1$  s,  $s_{ffi} = 1$  s. (3)

$s_y = 450$  s,  $s_{ff} = 1$  s,  $s_{ffi} = 1$  s. (4)

$$\eta = \frac{I_d}{I_d + I_t} \quad (1)$$

$$I_s = I - I_d - I_t - I_r \quad (2)$$

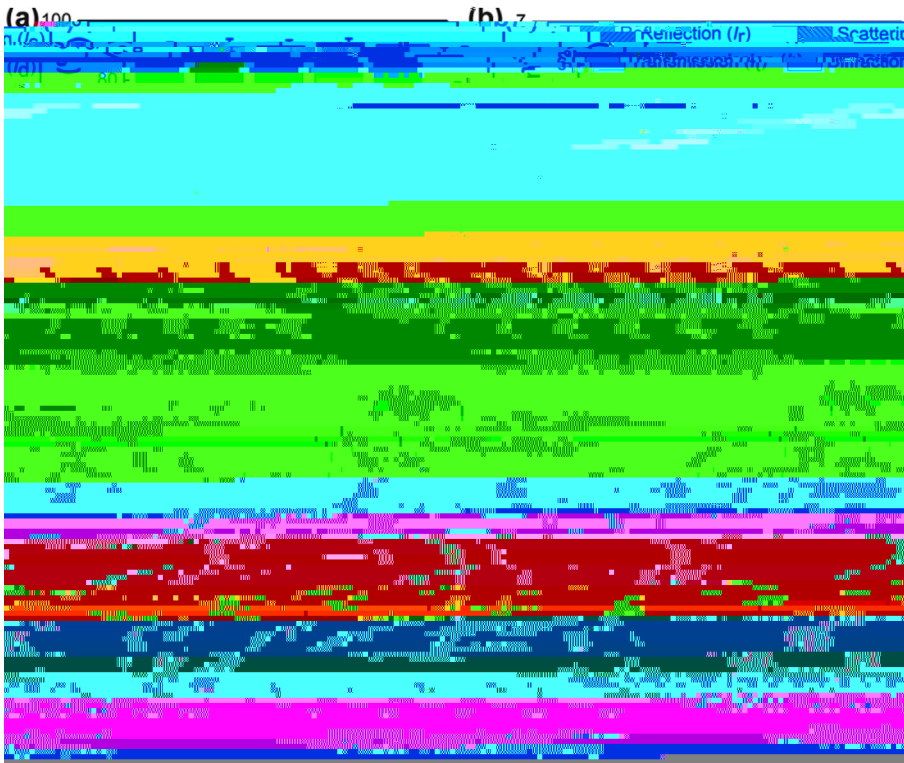
### 4. Results and discussion

#### 4.1. Cha ac e i a i f UCNr's

(1.46-1.49) (1.47) 19,28 . (e.g., -1, -2 -3) 27 . 6% (e.g., 3+, 38+ )







28,39

### 5. Conclusions

15 %

