

# Project 3

- Dispersion @ Ref. freq.  $\approx c$
- Dispersion Derivative @ ref. Freq.  $\approx 0$
- Zero disp. Wavelengths: 1413 nm

EX A. before Fiber:  $0.33 \rightarrow 0.032 \text{ ns}$   
~~0.33~~  $0.036 \text{ ns}$   $10 \text{ km}$

	0 km	10 km	20	30	40
t / ns	<del>0.033</del> 0.034	<del>0.036</del> 0.038	0.046	0.062	0.079
Amplitude / mW	<del>4.03</del> 8.75	<del>5.11</del> 5.098	2.60	1.24	0.638
PWR					
Ex B: dbm	1.720	0	-1.86	-3.59	-5.47

Spec Power after Fize:

~~-3.10~~ -3.304 dBm

→ ~~CL~~ 1550 nm Laser

→ set CW-Power to 3.304 dBm

→ Power after Fize: 0 dBm