

(e)  $\Rightarrow$  (g) Sei  $B$  Lebesgue-menge  $\Leftrightarrow$   
 $\mu(\overset{\circ}{B}) = \mu(B) = \mu(\overline{B})$

$\overset{\circ}{B} \in \mathcal{O}(M) \Rightarrow$

$$\mu(\overset{\circ}{B}) \stackrel{(f)}{\leq} \liminf_n \mu_n(\overset{\circ}{B}) \leq \liminf_n \mu_n(B) \leq$$

$$\leq \limsup_n \mu_n(B) \leq \limsup_n \mu_n(\overline{B}) \stackrel{(e)}{\leq} \mu(\overline{B})$$

$$= \mu(B) = \mu(\overset{\circ}{B}) \text{ (u. Vor.)}$$

$$\Rightarrow \underline{\mu_n(B)} \longrightarrow \underline{\mu(B)}$$