

HESS CNN Model Architectures

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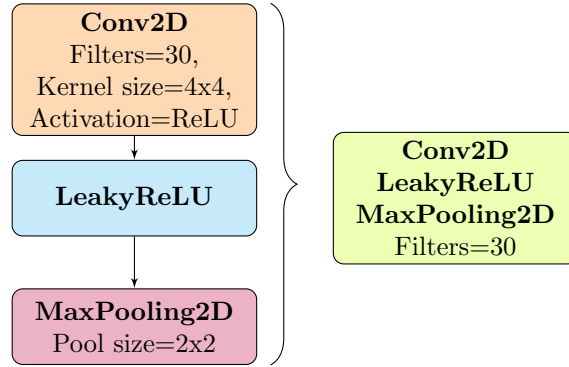


Figure 1: Visualization of the CNN approach: Definition of a reoccurring sequence of layers: **Block Type 1**. Only the variable parameters are shown in the summarizing box.

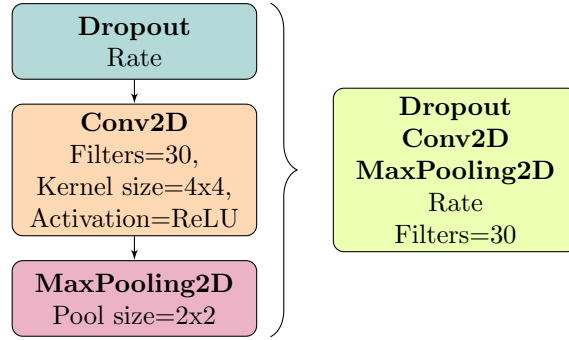


Figure 2: Visualization of the CNN approach: Definition of a reoccurring sequence of layers: **Block Type 2**. Only the variable parameters are shown in the summarizing box.

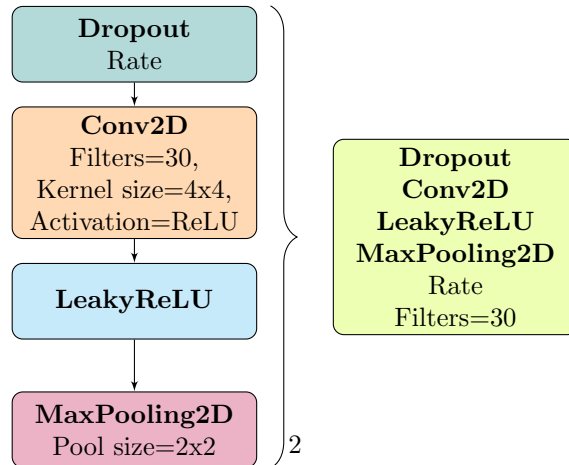


Figure 3: Visualization of the CNN approach: Definition of a reoccurring sequence of layers: **Block Type 3**. Only the variable parameters are shown in the summarizing box.

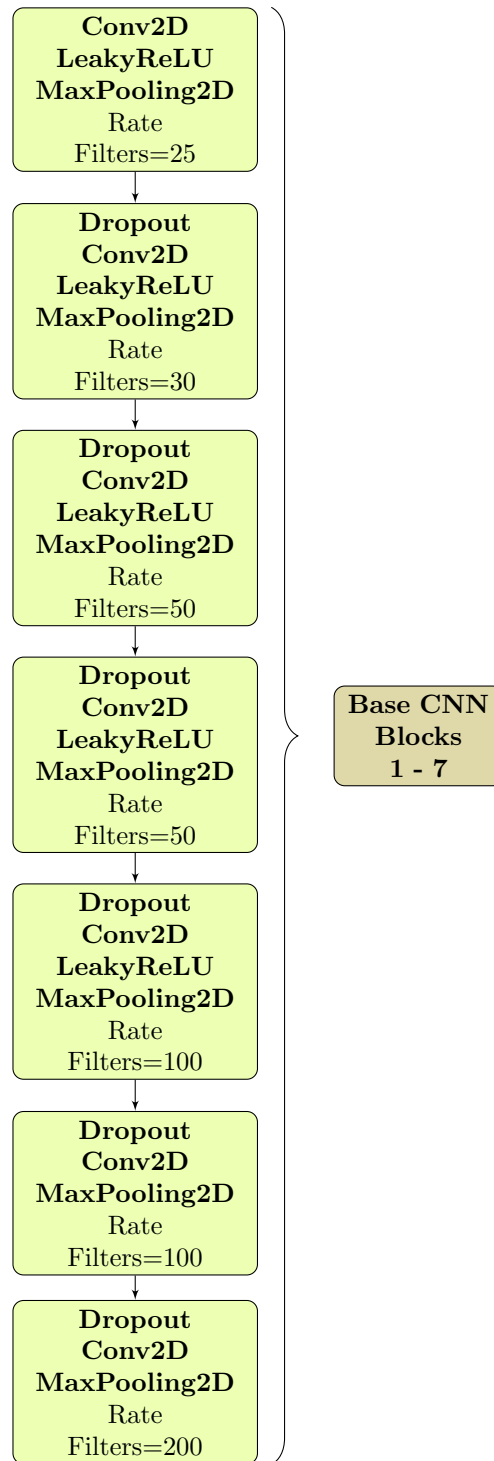


Figure 4: Visualization of the CNN approach: Definition of a reoccurring sequence of layers: **Base CNN Blocks 1 - 7**

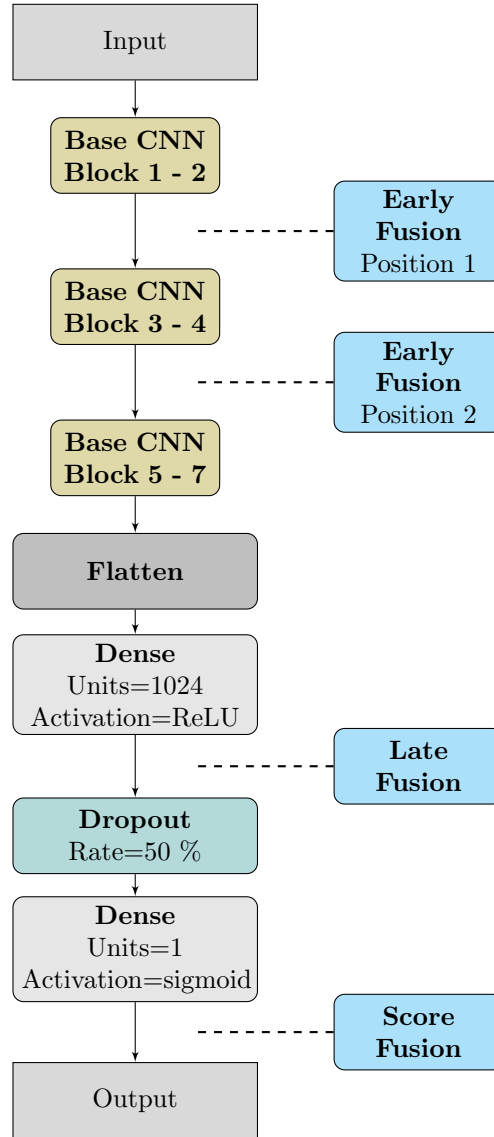
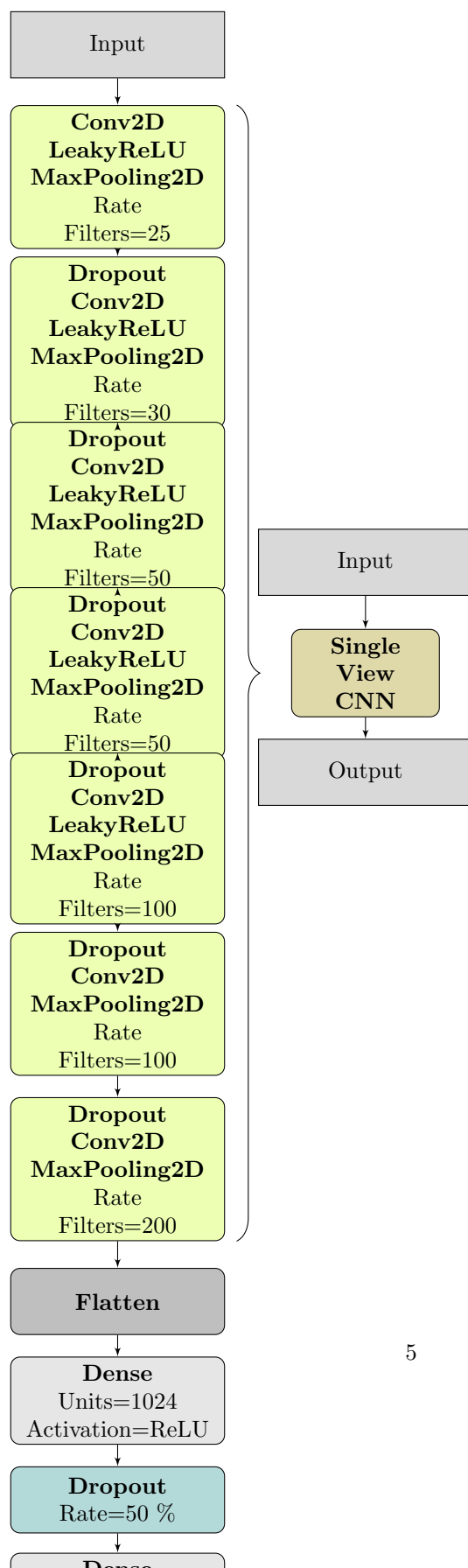


Figure 5: Visualization of the CNN approach: **Single-View CNN** with locations of fusion methods marked



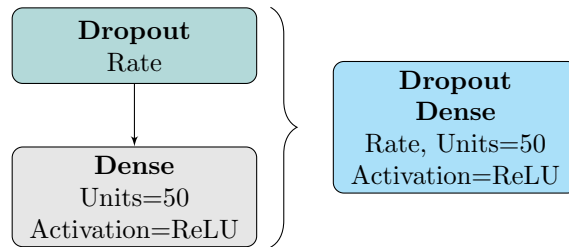
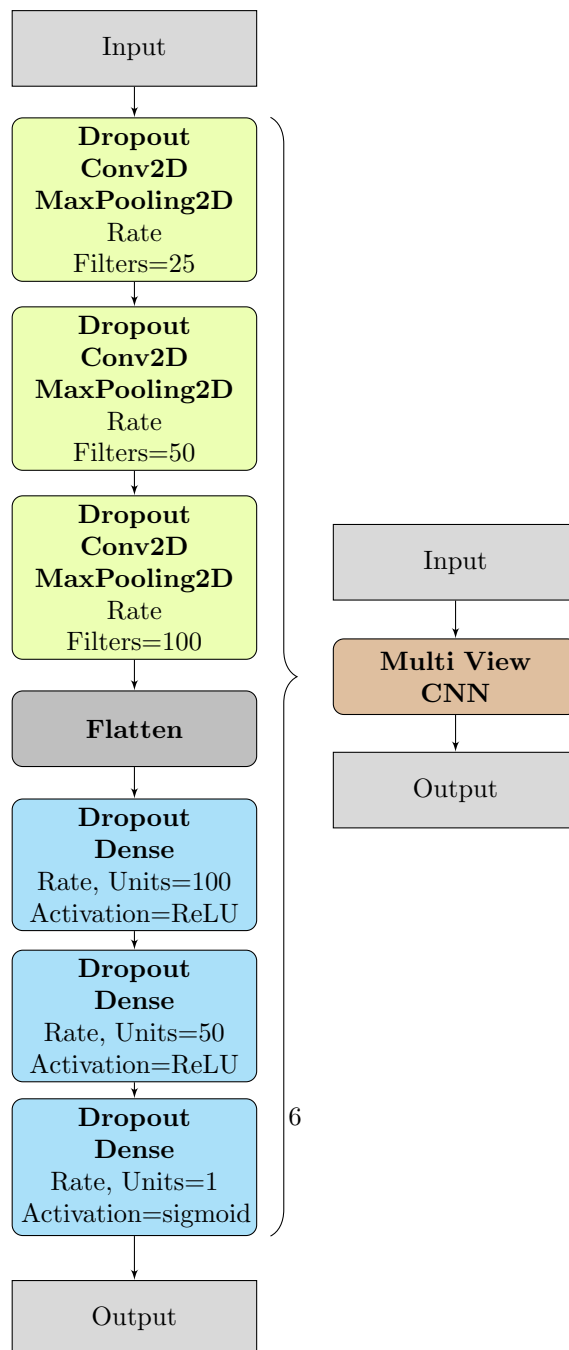


Figure 7: Visualization of the CNN approach: Definition of a reoccurring sequence of layers. Only the variable parameters are shown in the summarizing box.



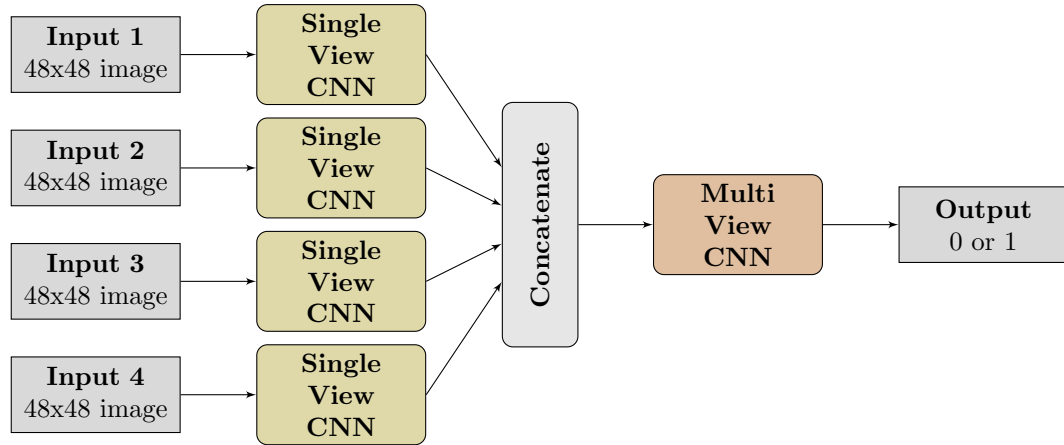


Figure 9: Visualization of the CNN approach: Final network for classifying the event type for each event, using the four available views for one event.